

Anti-CIDEC Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Pig)
Molecular Weight:	Theoretical: 27 kDa. Actual: 27 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CIDEC) Polyclonal Antibody, Unconjugated (TMAB-00432) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Tissue/cell: rat heart tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-CIDEC Polyclonal Antibody, Unconjugated (TMAB-00432) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

3. Tissue/cell: mouse stomach wall; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-CIDEC Polyclonal Antibody, Unconjugated (TMAB-00432) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

4. Blank control: Mouse spleen.

Verified Activity: Primary Antibody (green line): Rabbit Anti-CIDEC antibody (TMAB-00432)

Dilution: 2 µg/10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 1 µg/test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

5. Paraformaldehyde-fixed, paraffin embedded (rat breast); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CIDEC) Polyclonal Antibody, Unconjugated (TMAB-00432) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

6. Paraformaldehyde-fixed, paraffin embedded (Mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CIDEC) Polyclonal Antibody, Unconjugated (TMAB-00432) at 1:200 overnight at

- 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CIDEDEC) Polyclonal Antibody, Unconjugated (TMAB-00432) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded (human gastric); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CIDEDEC) Polyclonal Antibody, Unconjugated (TMAB-00432) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CIDEDEC) Polyclonal Antibody, Unconjugated (TMAB-00432) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
10. Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CIDEDEC) Polyclonal Antibody, Unconjugated (TMAB-00432) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
11. Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CIDEDEC) Polyclonal Antibody, Unconjugated (TMAB-00432) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

12. Blank control: A431. Primary Antibody (green line): Rabbit Anti-CIDEDEC antibody (TMAB-00432)

Dilution: 1 µg/Test;

Secondary Antibody: Goat anti-rabbit IgG-FITC

Dilution: 0.5 µg/Test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

13. Sample:

Lane 1: Adipose (Mouse) Lysate at 40 µg

Lane 2: Breast (Mouse) Lysate at 40 µg

Lane 3: Adipose (Rat) Lysate at 40 µg

Primary:

Anti-CIDEDEC (TMAB-00432) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27-30 kDa

Observed band size: 27 kDa

14. Sample:

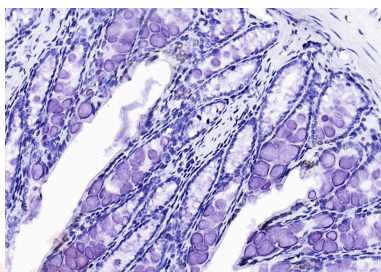
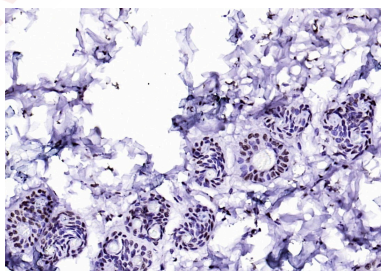
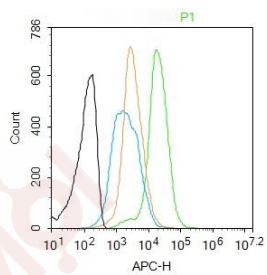
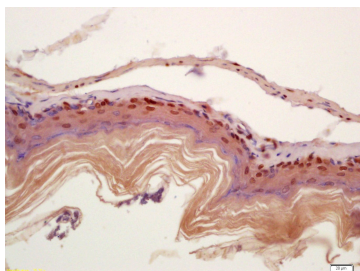
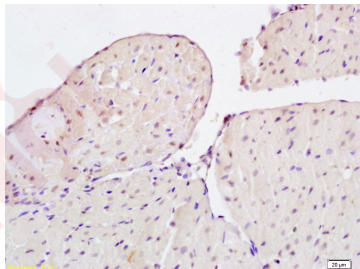
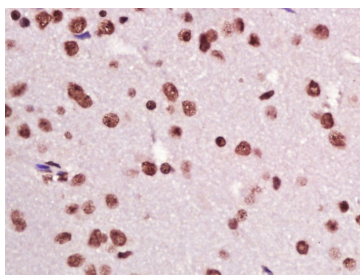
Epididymis (Mouse) Lysate at 40 µg

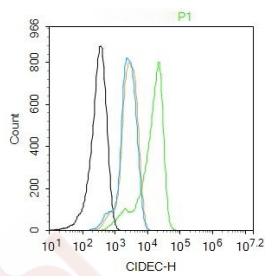
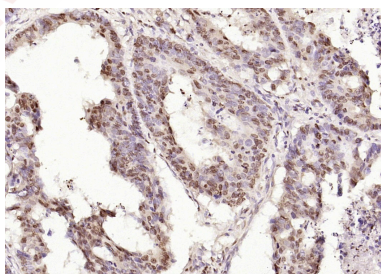
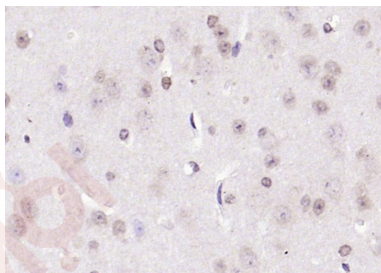
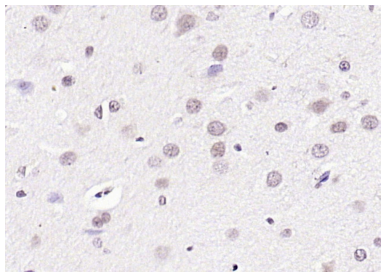
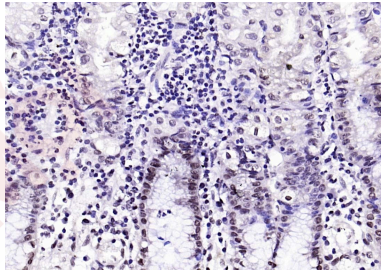
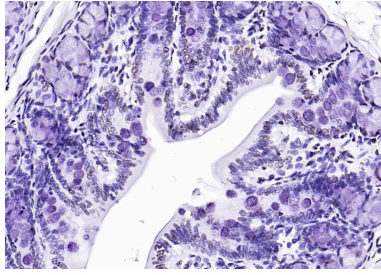
Primary: Anti-CIDEDEC (TMAB-00432) at 1/500 dilution

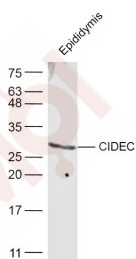
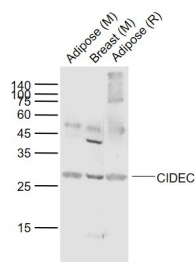
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kDa

Observed band size: 27 kDa







Application: FCM, ICC/IF, IHC-Fr, IHC-P, WB

Recommended: FCM=1 µg/Test; ICC/IF=1:50-200; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CIDEDEC

Antigen Species: Human

Gene ID: 63924

Uniprot ID: Q96AQ7

Synonyms: FSP27; CIDE C; CIDE 3; Fat-specific protein FSP27 homolog; Cell Death Inducing DFFA Like Effector C; Cell death activator CIDE-3; Cell death-inducing DFFA-like effector protein C; CIDE3; Fat specific protein 27; FLJ20871; CIDEDEC; Cell Death Activator

Research Background

This gene encodes a member of the cell death-inducing DNA fragmentation factor-like effector family. Members of this family play important roles in apoptosis. The encoded protein promotes lipid droplet formation in adipocytes and may mediate adipocyte apoptosis. This gene is regulated by insulin and its expression is positively correlated with insulin sensitivity. Mutations in this gene may contribute to insulin resistant diabetes. A pseudogene of this gene is located on the short arm of chromosome 3. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by RefSeq, Dec 2010].

Tissue specificity: Expressed mainly in small intestine, heart, colon and stomach and, at lower levels, in brain, kidney and liver.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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