

Anti-HDAC3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Pig, Cow, Horse)
Molecular Weight:	Theoretical: 47 kDa. Actual: 47 kDa.
Purification:	Protein A purified

Applications

1. Issue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-HDAC3/HD3 Polyclonal Antibody, Unconjugated (TMAB-00840) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI (5 µg/ml, blue) was used to stain the cell nucleus.
2. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-HDAC3/HD3 Polyclonal Antibody, Unconjugated (TMAB-00840) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C.
3. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-HDAC3/HD3 Polyclonal Antibody, Unconjugated (TMAB-00840) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded (human gastric 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 (HDAC3) Polyclonal Antibody, Unconjugated (TMAB-00840) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
5. Sample: Stomach (Mouse) Lysate at 40 µg
Primary: Anti-HDAC3 (TMAB-00840) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kDa
Observed band size: 47 kDa
6. Sample: Uterus (Mouse) Lysate at 40 µg
Ovary (Mouse) Lysate at 40 µg
Primary: Anti-HDAC3 (TMAB-00840) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kDa
Observed band size: 50 kDa
7. Sample:

Verified Activity:

Lane 1: Mouse Cerebrum tissue lysates

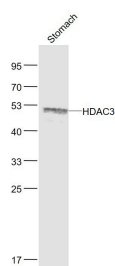
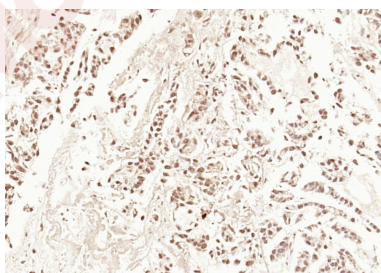
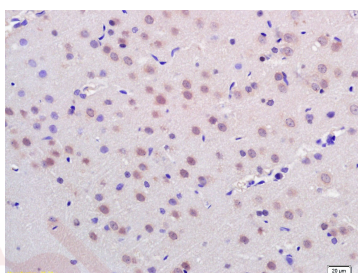
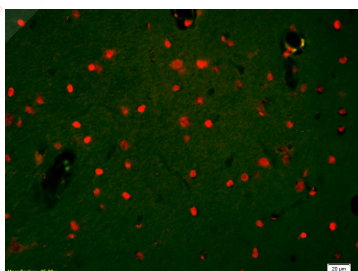
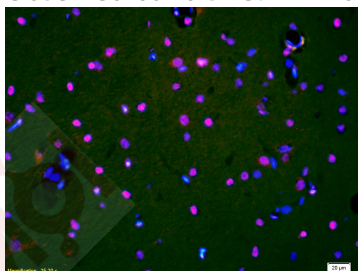
Lane 2: Rat Cerebrum tissue lysates

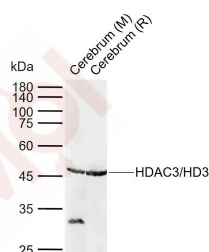
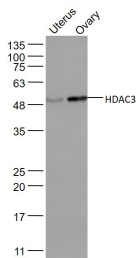
Primary: Anti-HDAC3/HD3 (TMAB-00840) at 1/500 dilution

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

Predicted band size: 47 kDa

Observed band size: 47 kDa





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

Recommended ICC/IF=1:100-500; 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 HDAC3

Antigen Species: Human

Gene ID: 8841

Uniprot ID: O15379

Synonyms: HDAC3;HD3;Protein deacetylase HDAC3;RPD3-2;SMAP45;Histone deacetylase 3;Protein deacylase HDAC3

Biology Area: Metabolism of lipids and lipoproteins,Tumor suppressors,Hypertrophy,Acetylation,Class I,Lipid metabolism,Cancer,HDACs

Research Background

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene. [provided by RefSeq, Jul 2008]

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