

Anti-PI3 Kinase Class 3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Horse, Rabbit)
Molecular Weight:	Theoretical: 98 kDa. Actual: 98 kDa.
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded (Rat stomach); 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 (PI 3 Kinase Class 3) Polyclonal Antibody, Unconjugated (TMAB-01534) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (human kidney); 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 (PI 3 Kinase Class 3) Polyclonal Antibody, Unconjugated (TMAB-01534) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded (mouse stomach); 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 (PI 3 Kinase Class 3) Polyclonal Antibody, Unconjugated (TMAB-01534) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
4. 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 (PI 3 Kinase Class 3) Polyclonal Antibody, Unconjugated (TMAB-01534) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded (mouse heart); 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 (PI 3 Kinase Class 3) Polyclonal Antibody, Unconjugated (TMAB-01534) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
6. 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 (PI 3 Kinase Class 3) Polyclonal Antibody, Unconjugated (TMAB-01534) 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 kidney); 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 (PI 3 Kinase Class 3) Polyclonal Antibody, Unconjugated (TMAB-01534) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

8. Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); 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 (PI 3 Kinase Class 3) Polyclonal Antibody, Unconjugated (TMAB-01534) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

9. Tissue/cell: human lung carcinoma; 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-PI 3 Kinase Class 3 Polyclonal Antibody, Unconjugated (TMAB-01534) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

10. Sample:

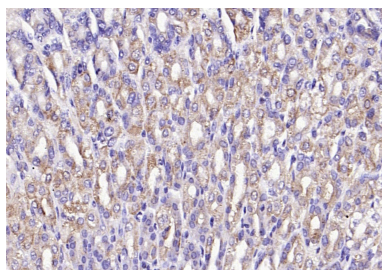
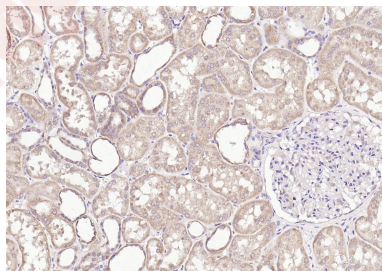
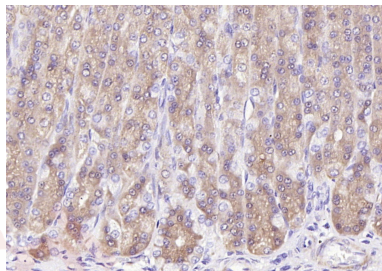
brain (mouse) Lysate at 40 µg

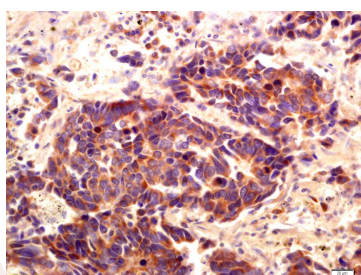
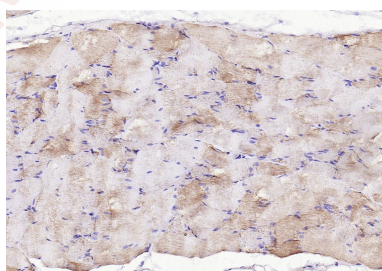
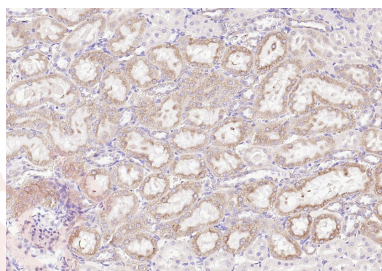
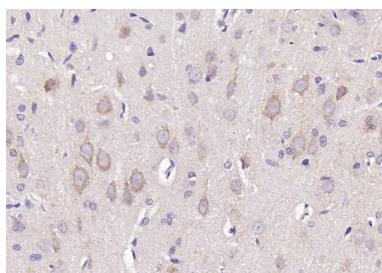
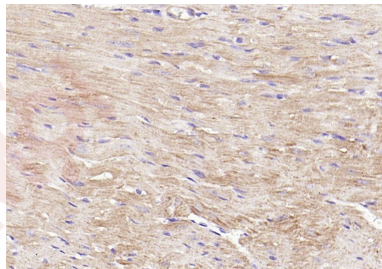
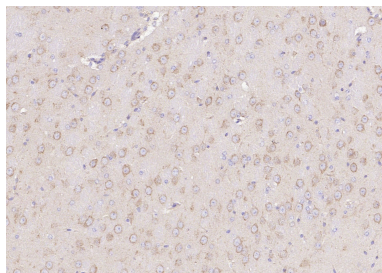
Primary: Anti-PI 3 Kinase Class 3 (TMAB-01534) at 1/300 dilution

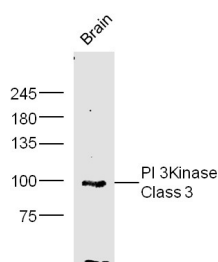
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 98 kDa

Observed band size: 98 kDa







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

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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 PIK3C3/PI3 kinase type 3

Antigen Species: Human

Gene ID: 5289

Uniprot ID: Q8NEB9

Synonyms: Phosphatidylinositol 3 kinase class 3;Vps 34;MGC61518;Phosphatidylinositol 3 kinase p100 subunit;PI3 kinase type 3;PI3K type 3;PtdIns 3 kinase type 3;hVps34;Vps34;PK3C3;PI3 Kinase p100;Phosphatidylinositol 3 kinase catalytic subunit type 3;PIK3C3;phosphoinositide 3 kinase class 3

Biology Area: TLR Signaling,Lipid metabolism,Lipid Kinases

Research Background

PI 3 Kinase Class 3 is a member of the PI3/PI4-kinase family. It is the catalytic subunit of the PI3K complex. It is involved in the transport of lysosomal enzyme precursors to lysosomes. It is ubiquitously expressed, with a highest expression in skeletal muscle.

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