

Anti-Gamma-Adaptin Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Rabbit)
Molecular Weight:	Theoretical: 91 kDa. Actual: 91 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: Rat brain; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), 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-Gamma-Adaptin, Unconjugated (TMAB-06326) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
2. Tissue/cell: rat lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), 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-Gamma-Adaptin Polyclonal Antibody, Unconjugated (TMAB-06326) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
3. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), 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-Gamma-Adaptin Polyclonal Antibody, Unconjugated (TMAB-06326) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
4. Cell culture (MCF7); Paraformaldehyde-fixed; Incubated by 0.3% Triton-100 for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Gamma-Adaptin) Polyclonal Antibody, Unconjugated (TMAB-06326) at 1: 200 overnight at 4°C, followed by a conjugated secondary antibody for 90 minutes and DAPI staining.
5. Cell culture (SW480); Paraformaldehyde-fixed; Incubated by 0.3% Triton-100 for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Gamma-Adaptin) Polyclonal Antibody, Unconjugated (TMAB-06326) at 1: 200 overnight at 4°C, followed by a conjugated secondary antibody for 90 minutes and DAPI staining.
6. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Gamma-Adaptin) Polyclonal Antibody, Unconjugated (TMAB-06326) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
7. Sample:
 293T (Human) Cell Lysate at 30 µg
 JurkaT (Human) Cell Lysate at 30 µg
 Primary: Anti-Gamma-Adaptin (TMAB-06326) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 91 kD

Verified Activity:

A DRUG SCREENING EXPERT

Observed band size: 91 kD

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

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

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. 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 Gamma-Adaptin

Antigen Species: Human

Gene ID: 164

Uniprot ID: O43747

Research Background

Adaptins are important components of clathrin-coated vesicles transporting ligand-receptor complexes from the plasma membrane or from the trans-Golgi network to lysosomes. The adaptin family of proteins is composed of four classes of molecules named alpha, beta, beta prime and gamma adaptins. Adaptins, together with medium and small subunits, form a heterotetrameric complex called an adaptor, whose role is to promote the formation of clathrin-coated pits and vesicles. The protein encoded by this gene is a gamma-adaptin protein and it belongs to the adaptor complexes large subunits family.

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