

Anti-Phospho-p70 S6 Kinase Beta 2 (Tyr389) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 53 kDa. Actual: 53 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: Brain (Rat) lysate at 30 µg; Primary: Anti-Phospho-p70 S6 Kinase Beta 2 (Tyr389) (TMAB-11097) at 1: 200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000 dilution; Predicted band size: 53 kD Observed band size: 53 kD</p> <p>2. Sample: Bone (Mouse) Lysate at 40 µg Primary: Anti-phospho-p70S6 Kinase BetaA (Tyr389) (TMAB-11097) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/10000 dilution Predicted band size: 53 kD Observed band size: 53 kD</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by microwave in sodium citratebuffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%BSA) at RTfor 30 min; Antibody incubation with (RPS6KB2) Polyclonal/MonoclonalAntibody, Unconjugated (TMAB-11097) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.</p> <p>4. Blank control (black line): Hela. Primary Antibody (green line): Rabbit Anti-Phospho-p70 S6 Kinase Beta 2 (Tyr389) antibody (TMAB-11097) Dilution: 1 µg/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488 Dilution: 0.5 µg/Test. Isotype control (orange line): Normal Rabbit IgG</p> <p>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. Acquisition of 20,000 events was performed.</p>
Application:	WB,IHC-P,IHC-Fr,IF,FCM

A DRUG SCREENING EXPERT

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

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 Synthesised phosphopeptide: human RPS6KB2 around the phosphorylation site of Tyr389

Antigen Species: Human

Gene ID: 6199

Uniprot ID: Q9UBS0

Research Background

This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17. [provided by RefSeq, Jan 2013].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
