

Anti-SMAD9 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Horse)
Molecular Weight:	Theoretical: 52 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Positive control: HeLa cells Concentration: 3 µg/10⁶ cells Incubation conditions: avoid light, 30 minutes on the ice.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (rat 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 (SMAD9) Polyclonal Antibody, Unconjugated (TMAB-12949) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>3. Sample: Heart (Mouse) Lysate at 40 µg Muscle (Mouse) Lysate at 40 µg Primary: Anti-SMAD9 (TMAB-12949) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD</p> <p>4. Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Mouse Skin tissue lysates Lane 3: Rat Testis tissue lysates Lane 4: Human HeLa cell lysates Lane 5: Human A549 cell lysates Lane 6: Human HepG2 cell lysates Primary: Anti-SMAD9 (TMAB-12949) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kDa Observed band size: 50 kDa</p>
Application:	WB, IHC-P, IHC-Fr, IF, FCM
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 3µg/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 synthetic peptide: human SMAD9

Antigen Species: Human

Gene ID: 4093

Uniprot ID: O15198

Research Background

SMAD9 is a member of the MAD-related family of molecules. MAD-related proteins are a recently identified family of intracellular proteins that are thought to be essential components in the signaling pathways of the serine/threonine kinase receptors of the transforming growth factor beta superfamily.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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