

Anti-ALK-1 Antibody (9Y73)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9Y73
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: Daudi whole cell lysate, U87 whole cell lysate-All lanes: ACVRL1 antibody at 1:2000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 57 kDa-Observed band size: 65 kDa <p>2. IHC image of TMAH-00024 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p>
Application:	ELISA,IHC,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200.

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:	A synthetic peptide: Human ACVRL1
Antigen Species:	Human
Gene ID:	94
Uniprot ID:	P37023
Synonyms:	HHT2;activin A receptor type II-like 1;HHT;SKR3;ACVRLK1;ALK-1;ALK1;TSR-I;ORW2;ACVRL1
Biology Area:	Cancer, Cardiovascular, Metabolism, Signal transduction

Research Background

Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate,

then bind and activate SMAD transcriptional regulators. May bind activin as well.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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