

Anti-CNN1 Antibody (5R138)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	5R138
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. Western Blot -Positive WB detected in: 293 whole cell lysate, Mouse lung tissue -All lanes: CNN1 antibody at 1.05µg/ml -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 34, 32 KDa -Observed band size: 34 KDa
	2. IHC image of TMAH-00288 diluted at 1:105 and staining in paraffin-embedded human heart tissue 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 biotinylated secondary antibody and visualized using an HRP conjugated SP system.
Application:	ELISA, WB, IHC
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 CNN1
Antigen Species:	Human
Gene ID:	1264
Uniprot ID:	P51911
Synonyms:	Calponin H1 smooth muscle;Calponin 1 basic smooth muscle;Calponin1;Epididymis secretory protein Li 14;SMCC;Calponin-1;HEL S 14;CNN 1;Sm Calp;Calponin H1;Basic calponin;smooth muscle;Calponins basic
Biology Area:	Signal Transduction

Research Background

Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin and tropomyosin. The interaction of calponin with actin inhibits the

actomyosin Mg-ATPase activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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