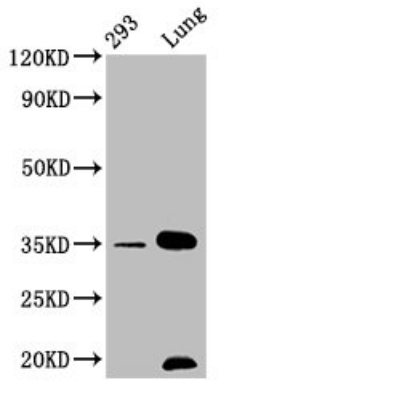
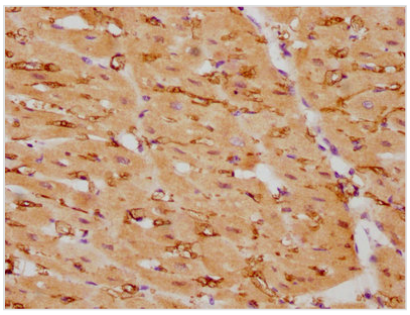
CNN1 Recombinant Monoclonal Antibody

Product Code	CSB-RA005655A0HU
Abbreviation	Calponin-1
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P51911
Immunogen	A synthesized peptide derived from human CNN1
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity (By similarity).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Calponin-1, Basic calponin, Calponin H1, smooth muscle, CNN1
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	CNN1
Clone No.	2H1

Image



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



IHC image of CSB-RA005655A0HU 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? overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

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