

Calponin 1 Rabbit pAb

CatalogNo: YT7852

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 33kD (Calculated)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

ELISA 1:5000-20000

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human Calponin 1 AA range: 111-160

Specificity

This antibody detects endogenous levels of Human Calponin 1

Target Information

Gene name

CNN1

Protein Name	Calponin 1		
	Organism	Gene ID	UniProt ID
	Human	1264;	P51911;
	Mouse	12797;	Q08091;
	Rat	65204;	Q08290;

Tissue specificity Smooth muscle, and tissues containing significant amounts of smooth muscle.

Function Function: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.,similarity:Belongs to the calponin family.,similarity:Contains 1 CH (calponin-homology) domain.,similarity:Contains 3 calponin-like repeats.,subunit:Part of cGMP kinase signaling complex at least composed of ACTA2/alpha-actin, CNN1/calponin H1, PLN/phospholamban, PRKG1 and ITPR1.,tissue specificity:Smooth muscle, and tissues containing significant amounts of smooth muscle.,

| Validation Data

| Contact information

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Calponin 1 Rabbit pAb

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