

**Calponin 1 rabbit pAb**

<b>Catalog No :</b>	YT7852
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Calponin-1
<b>Gene Name :</b>	CNN1
<b>Protein Name :</b>	Calponin 1
<b>Human Gene Id :</b>	1264
<b>Human Swiss Prot No :</b>	P51911
<b>Mouse Gene Id :</b>	12797
<b>Mouse Swiss Prot No :</b>	Q08091
<b>Rat Gene Id :</b>	65204
<b>Rat Swiss Prot No :</b>	Q08290
<b>Immunogen :</b>	Synthesized peptide derived from human Calponin 1 AA range: 111-160
<b>Specificity :</b>	This antibody detects endogenous levels of Human Calponin 1
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)**Molecularweight :** 33kD**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.,**Expression :** Smooth muscle, and tissues containing significant amounts of smooth muscle.

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