

## Anti-Calponin 1 Antibody

Catalog #	Source	Reactivity	Applications
CPA3537	Rabbit	H, M, R	WB, IH
<b>Description</b>	Rabbit polyclonal antibody to Calponin 1		
<b>Immunogen</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Calponin 1. The exact sequence is proprietary.		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of Calponin 1 protein.		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/1000), IH (1/50 - 1/100)		
<b>Gene Symbol</b>	CNN1		
<b>Alternative Names</b>	Calponin-1; Basic calponin; Calponin H1, smooth muscle		
<b>Entrez Gene</b>	1264 (Human); 12797 (Mouse); 65204 (Rat)		
<b>SwissProt</b>	P51911 (Human); Q08091 (Mouse); Q08290 (Rat)		
<b>Storage/Stability</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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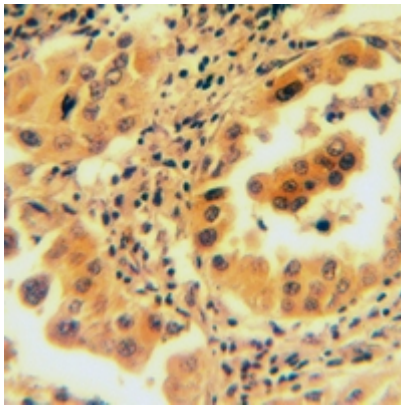
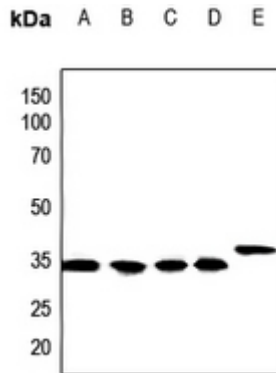
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## Product Data Sheet



Western blot analysis of Calponin 1 expression in Hela (A), HGC27 (B), mouse testis (C), mouse lung (D), rat lung (E) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 33 kD)

Immunohistochemical analysis of Calponin 1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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