

Anti-Calpain 1 Rabbit pAb



WL03987

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Calpain 1 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	WB	1:1000-1:2000	
	IHC	1:100-1:400	
	IF	1:500	
Cellular localization	Cytoplasm. Cell membrane		
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	Calpain 1, also designated μ -calpain, is an intracellular calcium-dependent protease that cleaves cyto-skeletal and submembranous proteins. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. Calpain-1 co-localizes with human leukocyte antigen-DR (HLA-DR) on activated microglia in the aging brain. Calpain influences the process of spermatogenesis and the events preceding fertilization, such as the acrosome reaction.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Calpain 1.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

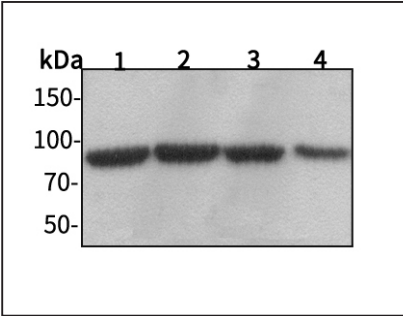
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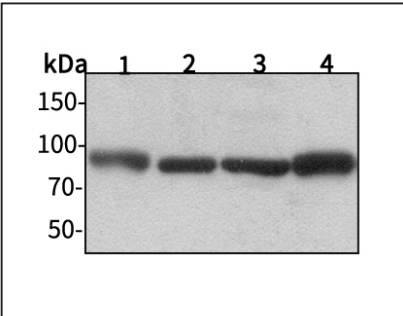
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Product Images



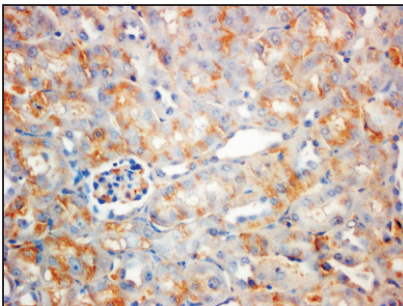
Western blot-Anti-Calpain 1 pAb

Lane 1: Human Hela cell lysate
Lane 2: Human MCF-7 cell lysate
Lane 3: Human HEK-293 cell lysate
Lane 4: Human A549 cell lysate
All lanes: Anti-Calpain 1 at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 82 kDa
Observed band size: 75kDa



Western blot-Anti-Calpain 1 pAb

Lane 1: Mouse heart tissue lysate
Lane 2: Mouse liver tissue lysate
Lane 3: Rat stomach tissue lysate
Lane 4: Rat heart tissue lysate
All lanes: Anti-Calpain 1 at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 82 kDa
Observed band size: 75 kDa



Immunohistochemistry-Anti-Calpain 1 pAb

Immunohistochemical analysis of paraffin-embedded mouse kidney using anti-Calpain 1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

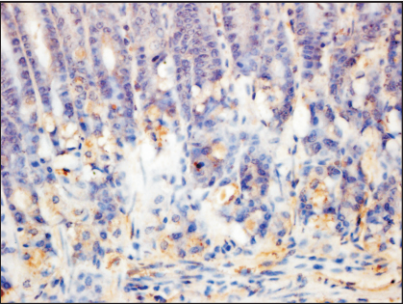
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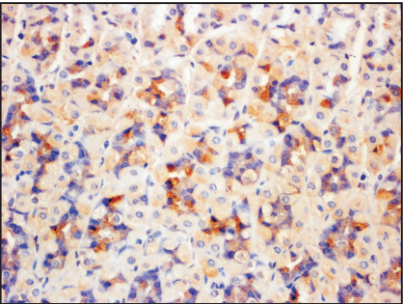
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Immunohistochemistry-Anti-Calpain 1 pAb

Immunohistochemical analysis of paraffin-embedded mouse stomach using anti-Calpain 1 Rabbit Antibody at 1:200 dilution.

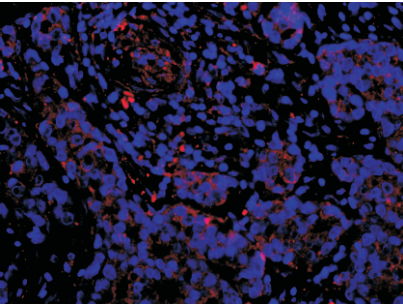
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-Calpain 1 pAb

Immunohistochemical analysis of paraffin-embedded rat stomach using anti-Calpain 1 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Calpain 1 pAb

Immunofluorescence analysis of paraffin-embedded human breast cancer using anti-Calpain 1 Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

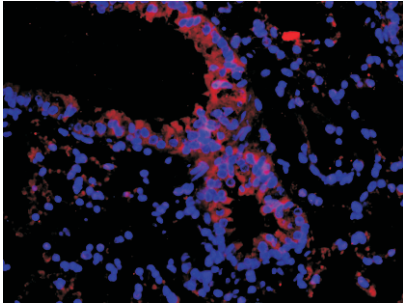
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Immunofluorescence-Anti-Calpain 1 pAb

Immunofluorescence analysis of paraffin-embedded mouse lung using anti-Calpain 1 Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0