

产品名称: Calpain 2 Rabbit Polyclonal Antibody
产品货号: AP Rab07870



产品概述 (Summary)

产品名称 (Production Name)	Calpain 2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CAPN2 CAPN2; CANPL2; Calpain-2 catalytic subunit; Calcium-activated neutral proteinase 2; CANP 2; Calpain M-type; Calpain large polypeptide L2; Calpain-2 large subunit; Millimolar-calpain; M-calpain
别名 (Alternative Names)	
基因 ID (Gene ID)	824.0
蛋白 ID (SwissProt ID)	P17655. The antiserum was produced against synthesized peptide derived from human Calpain 2. AA range: 305-354

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	

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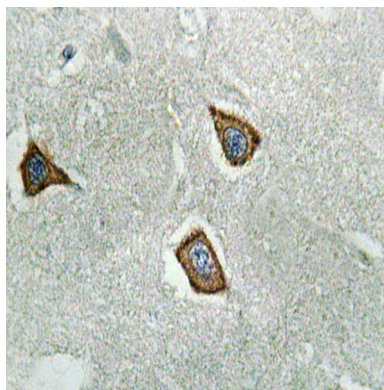
研究背景 (Background)

The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. 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. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009], catalytic activity: Broad endopeptidase specificity., cofactor: Binds 3 calcium ions., enzyme regulation: Activated by 200-1000 micromolar concentrations of calcium and inhibited by calpastatin., function: Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction., sequence caution: Contaminating sequence. Potential poly-A sequence., similarity: Belongs to the peptidase C2 family., similarity: Contains 1 calpain catalytic domain., similarity: Contains 3 EF-hand domains., subcellular location: Translocates to the plasma membrane upon Ca(2+) binding., subunit: Forms a heterodimer with a small (regulatory) subunit (CAPNS1)., tissue specificity: Ubiquitous.,

研究领域 (Research Area)

Apoptosis_Inhibition; Apoptosis_Mitochondrial; Apoptosis_Overview; Focal adhesion; Alzheimer's disease;

图片 (Image Data)



Immunohistochemistry analysis of Calpain 2 antibody in paraffin-embedded human brain tissue.

注意事项 (Note)

For research use only .