

产品名称: Calpain 9 Rabbit Polyclonal Antibody
产品货号: APRab07868



产品概述 (Summary)

产品名称 (Production Name)	Calpain 9 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

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)	CAPN9
别名 (Alternative Names)	CAPN9; NCL4; Calpain-9; Digestive tract-specific calpain; New calpain 4; nCL-4; Protein CG36
基因 ID (Gene ID)	10753.0
蛋白 ID (SwissProt ID)	O14815.The antiserum was produced against synthesized peptide derived from human CAPN9. AA range:481-530

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	75kDa

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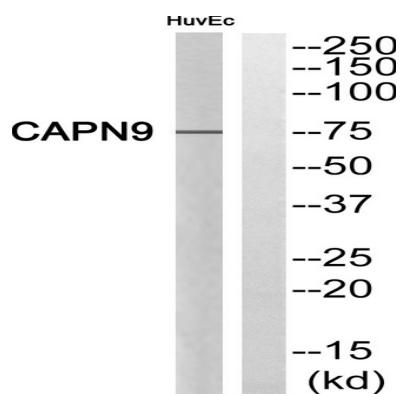


研究背景 (Background)

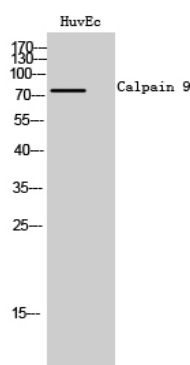
Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is expressed predominantly in stomach and small intestine and may have specialized functions in the digestive tract. This gene is thought to be associated with gastric cancer. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],catalytic activity:Broad endopeptidase specificity,.,function:Calcium-regulated non-lysosomal thiol-protease,.,induction:Down-regulated in gastric cancer tissue and in gastric cell lines of differentiated and poorly differentiated types,.,similarity:Belongs to the peptidase C2 family,.,similarity:Contains 1 calpain catalytic domain,.,similarity:Contains 3 EF-hand domains,.,tissue specificity:Expressed predominantly in stomach,.,

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of CAPN9 Antibody. The lane on the right is blocked with the CAPN9 peptide.



Western Blot analysis of HuvEc cells using Calpain 9 Polyclonal Antibody

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注意事项 (Note)

For research use only .