ELK Biotechnology

Calpain 9 rabbit pAb

Cat No.:ES4550

For research use only

Overview

Product Name	Calpain 9 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CAPN9. AA range:481-530
Specificity	Calpain 9 Polyclonal Antibody detects endogenous levels of Calpain 9 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Calpain-9
Gene Name	CAPN9
Cellular localization	intracellular,cytoplasm,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	75kD
Human Gene ID	10753
Human Swiss-Prot Number	O14815
Alternative Names	CAPN9; NCL4; Calpain-9; Digestive tract-specific calpain; New calpain 4; nCL-4; Protein CG36
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.

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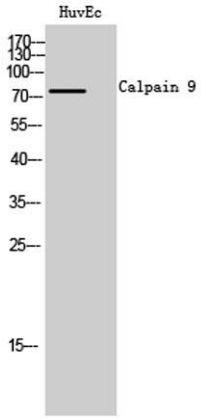
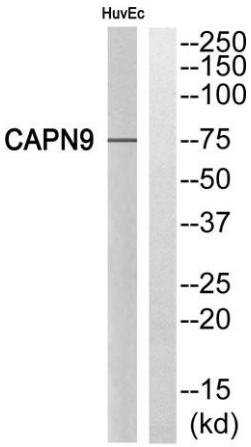
Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is expressed predominantly in stomach and small intestine and may have specialized functions in the digestive tract. This gene is 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],



Western Blot analysis of HuvEc cells using Calpain 9 Polyclonal Antibody



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

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