

Product Name: Calpain 11 Rabbit Polyclonal Antibody**Catalog #: APRab07865**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:10000
Molecular Weight	81kDa

Antigen Information

Gene Name	CAPN11
Alternative Names	CAPN11; Calpain-11; Calcium-activated neutral proteinase 11; CANP 11
Gene ID	11131.0
SwissProt ID	Q9UMQ6
Immunogen	The antiserum was produced against synthesized peptide derived from human CAPN11. AA range:401-450

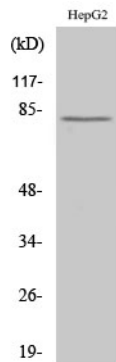
Background

Calpains constitute a family of intracellular calcium-dependent cysteine proteases. There are eight members in this superfamily.

They consist of a variable 80 kDa subunit and an invariant 30 kDa subunit. This calpain protein appears to have protease activity and calcium-binding ability. A similar mouse protein may play a functional role in spermatogenesis and in the regulation of calcium-dependent signal transduction events during meiosis. [provided by RefSeq, Dec 2008],catalytic activity:Broad endopeptidase specificity,,function:Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction,,similarity:Belongs to the peptidase C2 family,,similarity:Contains 1 calpain catalytic domain,,similarity:Contains 2 EF-hand domains,,subunit:Heterodimer of a large (catalytic) and a small (regulatory) subunit,,tissue specificity:Highest expression in testis,,

Research Area

Image Data



Western Blot analysis of various cells using Calpain 11 Polyclonal Antibody