



Calpain 11 Polyclonal Antibody

Catalog No	YP-Ab-02521
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CAPN11
Immunogen	The antiserum was produced against synthesized peptide derived from human CAPN11. AA range:401-450
Specificity	Calpain 11 Polyclonal Antibody detects endogenous levels of Calpain 11 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:3.4.22.-;CAPN11;CANP 11;Calpain-11;calpain11;Calpain 11;Calcium-activated neutral proteinase 11
Observed Band	81kD
Calculated Molecular Weight	81kD
Cell Pathway	Cytoplasmic vesicle, secretory vesicle, acrosome .
Tissue Specificity	Highest expression in testis.
Function	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.,
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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Calpain 11 Polyclonal Antibody