CAN7 Polyclonal Antibody

Catalog No	YP-Ab-05414
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CAPN7 PALBH
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CAN7 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CAPN7;PalBH;EC:3.4.22.-;Calpain-7;CALPAIN7;CAN7;CAPN7 PALBH;Calpain-7 (EC 3.4.22.-) (PalB homolog) (PalBH)
Observed Band	92 kDa
Calculated Molecular Weight	93 kDa
Cell Pathway	Nucleus.
Tissue Specificity	Ubiquitous.
Function	catalytic activity:Broad endopeptidase specificity.,function:Calcium-regulated non-lysosomal thiol-protease.,similarity:Belongs to the peptidase C2 family., similarity:Contains 1 calpain catalytic domain.,tissue specificity:Ubiquitous.,
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 function of the protein encoded by this gene is not known. An orthologue has been found in mouse but it seems to diverge from other family members. The mouse

	orthologue is thought to be calcium independent with protease activity. [provided by RefSeq, Jul 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.

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