



CAN6 Polyclonal Antibody

Catalog No	YP-Ab-05413
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CAPN6 CALPM CANPX
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CAN6 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	CAPN6;Calpain-like protease X-linked;Calpain-6;calpain6;CAN6;CAPN6 CALPM CANPX;Calpain-6 (Calpain-like protease X-linked) (Calpamodulin) (CalpM)
Observed Band	66-75 kDa
Calculated Molecular Weight	75 kDa
Cell Pathway	Cytoplasm, perinuclear region . Cytoplasm, cytoskeleton, spindle . During mitose associated with the mitotic spindle. At telophase colocalized to the midbody spindle.
Tissue Specificity	Expressed only in placenta.
Function	function:Not known; does not seem to have protease activity as it has lost the active site residues.,similarity:Belongs to the peptidase C2 family., similarity:Contains 1 C2 domain.,similarity:Contains 1 calpain catalytic domain., tissue specificity:Expressed only in placenta.,
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 highly expressed in the placenta. Its C-terminal region lacks any homology to the calmodulin-like domain of other calpains. The protein lacks critical active site residues and thus is suggested to be proteolytically inactive. The protein may play a role in tumor formation by inhibiting apoptosis and promoting angiogenesis. [provided by RefSeq, Nov 2009],

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