CAN6 Monoclonal Antibody

Catalog No	BYmab-05413
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	CAPN6 CALPM CANPX
Protein Name	Calpain-6 (Calpain-like protease X-linked) (Calpamodulin) (CalpM)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CAN6 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	70kD
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.

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