



Human CAPN6 blocking peptide (CDBP0671)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking peptide for anti-CAPN6 antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	200 µg/ml
Size	50 µg
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20°C, stable for one year.

GENE INFORMATION

Gene Name	CAPN6 calpain 6 [Homo sapiens (human)]
Official Symbol	CAPN6
Synonyms	CAPN6; calpain 6; CANPX; CAPNX; CalpM; DJ914P14.1; calpain-6; calpamodulin; calpain-like protease X-linked;
Entrez Gene ID	827
mRNA Refseq	NM_014289.3
Protein Refseq	NP_055104.2
UniProt ID	Q9Y6Q1
Chromosome Location	Xq23
Pathway	Integrin-mediated cell adhesion, organism-specific biosystem;
Function	calcium-dependent cysteine-type endopeptidase activity; microtubule binding;