

CAPNS1 rabbit monoclonal antibody

Catalog # H00000826-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CAPNS1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CAPNS1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CAPNS1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CAPNS1

Entrez GeneID	826
GeneBank Accession#	CAPNS1
Gene Name	CAPNS1
Gene Alias	30K, CALPAIN4, CANP, CANPS, CAPN4, CDPS
Gene Description	calpain, small subunit 1
Omim ID	114170
Gene Ontology	Hyperlink
Gene Summary	Calpains are a ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. Calpain families have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. Calpain I and II are heterodimeric with distinct large subunits associated with common small subunits, all of which are encoded by different genes. This gene encodes a small subunit common to both calpain I and II and is associated with myotonic dystrophy. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]
Other Designations	calcium-activated neutral proteinase calcium-dependent protease, small subunit calpain 4, small subunit (30K) calpain, small polypeptide

Disease

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