

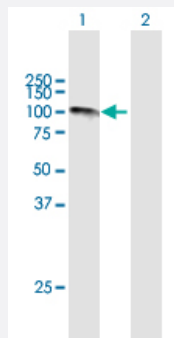
MaxPab®

CAST purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00000831-B02P

Size 50 ug

Applications

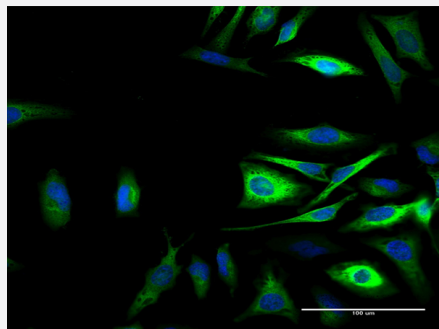


Western Blot (Transfected lysate)

Western Blot analysis of CAST expression in transfected 293T cell line ([H00000831-T02](#)) by CAST MaxPab polyclonal antibody.

Lane 1: CAST transfected lysate(75.46 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CAST on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CAST protein.

Immunogen

CAST (NP_775083.1, 1 a.a. ~ 686 a.a) full-length human protein.

Sequence

MNPTETKAVKTEPEKKSQSTKLSVVHEKKSQEGKPKHEHTEPKSLPKQASDTGSNDAHNNKAVS
 RSAEQQPSEKSTEPKTKPQDMISAGGESVAGITAISGKPGDKKKEKSLTPAVPVESKPKPSG
 KSGMDAALDDLIDTLGGPEETEEENTTYTGPEVSDPMSSTYIELGKREVTIPPKYRELLAKKEGIT
 GPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEV LKAQSAGTVRSAAPPQEKKRK
 VEKDTMSDQALEALSASLGTRQAEPELDLRSIKEVDEAKAKEEKELEKCGEDDETIPSEYRLKPAT
 DKDGKPLLPEPEEKPKPRSESELIDELSED FDRSECKEKPSKPTEKTEESKAAAPAPVSEAVCR
 TSMCSIQSAPPEPATLKGTVPD DAVEALADSLGKKEADPEDGKPVMDKVKEKAKEEDREKLGE
 KEETIPPDYRLEEVKDKDGKPLLPKESKEQLPPMS EDFLLDALSEDFSGPQNASSLKFE DAKLA
 AAISEVVSQTPASTTQAGAPPRDTSQSDKDLDDALDKLSDSLGQRQPD DENKPMEDKVKEKA
 KAEHRDKLGERDDTIPPEYRHLLDDNGQDKPVKPPTKKS EDSKKPADDQDPIDALSGDL DSCPS
 TTETSQNTAKDKCKKAASSSKAPKNGGKAKDS AKTTEETSKPKDD

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CAST on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — CAST

Entrez GeneID

[831](#)

GeneBank Accession#

[NM_173060.2](#)

Protein Accession#

[NP_775083.1](#)

Gene Name

CAST

Gene Alias	BS-17, MGC9402
Gene Description	calpastatin
Omim ID	114090
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an endogenous calpain (calcium-dependent cysteine protease) inhibitor. It consists of an N-terminal domain L and four repetitive calpain-inhibition domains (domains 1-4), and it is involved in the proteolysis of amyloid precursor protein. The calpain/calpastatin system is involved in numerous membrane fusion events, such as neural vesicle exocytosis and platelet and red-cell aggregation. The encoded protein is also thought to affect the expression levels of genes encoding structural or regulatory proteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of only some have been determined. [provided by RefSeq]
Other Designations	OTTHUMP00000158519 OTTHUMP00000158520 calpain inhibitor heart-type calpastatin sperm BS-17 component

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
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- [Multiple Sclerosis](#)
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