

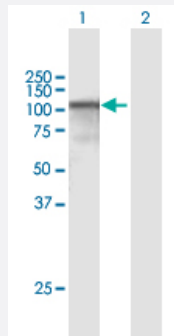
MaxPab®

CAST purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000831-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CAST expression in transfected 293T cell line ([H00000831-T03](#)) by CAST MaxPab polyclonal antibody.

Lane 1: CAST transfected lysate(74.10 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit 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

MNPTETKAVKTEPEKKSQSTKLSVVHEKKSQEGKPKEHTEPKSLPKQASDTGSNDAHNNKAVS
RSAEQQPSEKSTEPKTKPQDMISAGGESVAGITAISGKPGDKKKEKSLTPAVPVESKPDKPSG
KSGMDAALDDLIDTLGGPEETEEENTTYTGPEVSDPMSSTYEEELGKREVTPPKYRELLAKKEGIT
GPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEV LKAQSAGTVRSAAPPQEKKRK
VEKDTMSDQALEALSASLGTRQAEPELDLRSIKEVDEAKAKEEKLKCGEDDETIPSEYRLKPAT
DKDGKPLLPEPEEKPKPRSESELIDELSED FDRSECKEKPSKPTKTEESKAAAPAPVSEAVCR
TSMCSIQSAPPEPATLKGTVPDDAVEALADSLGKKEADPEDGKPVMDKVKEKAKEEDREKLGE
KEETIPPDYRLEEVDKDKDGKPLLPKESKEQLPPMSDFLLDALSEDFSGPQNASSLKFEAKLA
AAISEVVSQTPASTTQAGAPPRDTSQSDKDLDDALDKLSDSLGQRQPD PDENKPMEDKVKEKA
KAEHRDKLGERDDTIPPEYRHLLDDNGQDKPVKPPTKKSEDSKKPADDQDPIDALSGDL DSCPS
TTETSQNTAKDKCKKAASSSKAPKNGGKAKDSAKTTEETSKPKDD

Host

Rabbit

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

- Western Blot (Transfected lysate)

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[Protocol Download](#)

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](#)
- [Edema](#)
- [Hypertension](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)