

DNAXPAb

Hard-to-Find
Antibody

CAST DNAXPab

Catalog # H00000831-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human CAST DNA using DNAX™ Immune technology.

Technology [DNAX™ Immune](#)

Immunogen Full-length human DNA

Sequence MNPTETKAVKTEPEKKSQSTKLSVVHEKKSQEGKPKEHTEPKSLPKQASDTGSNDAHNNKKA
VSRSAEQQPSEKSTEPKTKPQDMISAGGESVAGITAISGKPGDKKKEKSLTPAVPVESKPKPSG
KSGMDAALDDLDITLGGPEETEEENTTYTGPEVSDPMSSTYIELGKREVTIPPKYRELLAKKEG
ITGPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEV LKAQSAGTVRSAAPPQEKKRK
VEKDTMSDQALEALSASLGTRQAEPELDLRSIKEVDEAKAKEEKLEKCGEDDETIPSEYRLK
PATDKDGKPLLPEPEEKPKPRSESELIDELSEDFDRSECKEKPSPTEKTEESKAAAPAPVSEAV
CRTSMCSIQSAPPEPATLKGTPDDAVEALADSLGKKEADPEDGKPVMDKVKEKAKEEDREKL
GEEKETIPPDYRLEEVKDKDGKPLLPKESKEQLPPMSDFLLDALSEDFSGPQNASSLKFE
DAKLA AAISEVVSQTPASTTQAGAPPRDTSQSDKDLDDALDKLSDSLGQRQPD
DENKPMEDKVKEKA KAEHRDKLGERDDTIPPEYRHLLDDNGQDKPVKPPTKKSEDSKKP
ADDQDPIDALSGDLDSGPS TTETSQNTAKDKCKKAASSSKAPKNGGKAKDSAKTTEET
SKPKDD

Host Rabbit

Reactivity Human

Purification Protein A

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)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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

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