

Rabbit anti-Human Calpastatin/CAST Polyclonal Antibody | anti-CAST antibody

Rabbit anti-Calpastatin/CAST Antibody, Affinity Purified

CATALOG # AAA212942	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

Calpastatin/CAST; Polyclonal Antibody; Rabbit anti-Calpastatin/CAST Antibody; Affinity Purified; BS-17; calpain inhibitor; calpastatin; PLACK; sperm BS-17 component; Calpastatin; anti-CAST antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CAST antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Rat, Rabbit, Pig
Immunogen	Between 600 and 650
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Calpastatin/CAST by western blot. Samples: Whole cell lysate (50 ug) from HeLa and 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Calpastatin/CAST antibody AAA212942 (lot AAA212942-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human Calpastatin/CAST by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Calpastatin/CAST antibody AAA212942 (lot AAA212942-1) used for IP at 6 ug per reaction. Calpastatin/CAST was also immunoprecipitated by rabbit anti-Calpastatin/CAST antibody For blotting immunoprecipitated Calpastatin/CAST, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CAST antibody

Calpastatin 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 [taken from NCBI Entrez Gene (Gene ID: 831)].

NCBI AND UNIPROT INFORMATION

NCBI GI #	27765085
NCBI GeneID	831
NCBI Accession #	NP_775083.1
NCBI GenBank Nucleotide #	NM_173060.3
UniProt Accession #	P20810; O95360; Q05DE8; Q7Z4K0; Q96D08; Q9H1Z5; G5E946; G5E9D3
Molecular Weight	76,573 Da
NCBI Official Full Name	calpastatin isoform b
NCBI Official Synonym Full Names	calpastatin
NCBI Official Symbol	CAST
NCBI Official Synonym Symbols	BS-17
NCBI Protein Information	calpastatin; calpain inhibitor; sperm BS-17 component
UniProt Protein Name	Calpastatin
UniProt Gene Name	CAST
UniProt Entry Name	ICAL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/calpastatin-cast-antibody-immunoprecipitation-western-blot-elisa/212942>