Rabbit CAST Polyclonal Antibody | anti-CAST antibody

CAST Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10623	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Immunohistochemistry, Immunofluorescence**

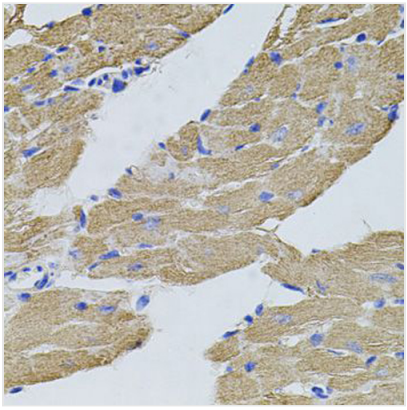
PRODUCT SYNONYMS

CAST; Polyclonal Antibody; CAST Polyclonal Antibody; Calpastatin: BS-17; anti-CAST antibody

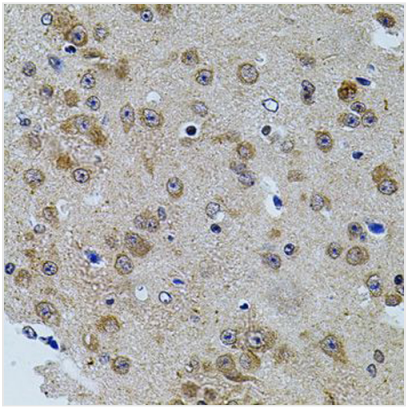
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	708
Applicable Applications for anti-CAST antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:200 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:100
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant Protein of human CAST
Calculated Molecular Weight	72kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

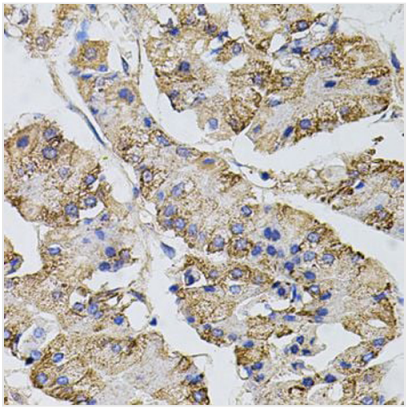
IMAGES



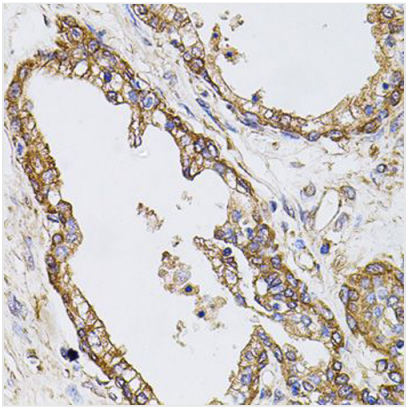
IHC (Immunohistchemistry)
Immunohistochemistry of paraffin-embedded mouse heart using CAST antibody at dilution of 1:100 (40x lens).



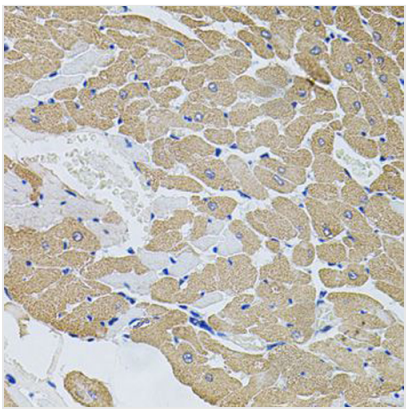
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse brain using CAST antibody at dilution of 1:100 (40x lens).



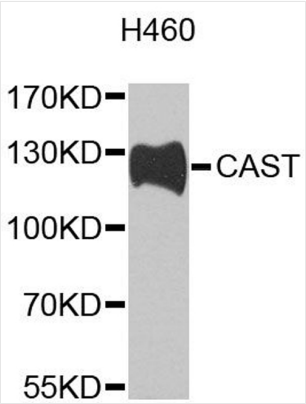
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human stomach using CAST antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human prostate using CAST antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat heart using CAST antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of H460 cells, using CAST antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-CAST antibody	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. Alternatively spliced transcript variants encoding different isoforms have been described.
Product Categories/Family for anti-CAST antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	126302556
NCBI GeneID	831
UniProt Accession #	P20810; O95360; Q05DE8; Q7Z4K0; Q96D08; Q9H1Z5; B7Z468; G5E946; G5E9D3
Molecular Weight	708
NCBI Official Full Name	Calpastatin
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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