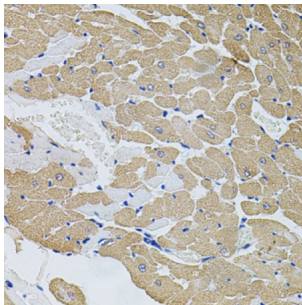
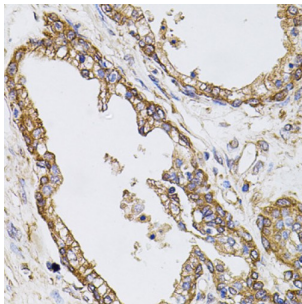


Calpastatin (CAST) Antibody

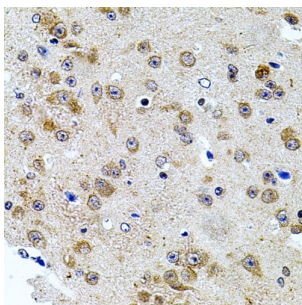
Catalogue No.: abx000552



Immunohistochemistry of paraffin-embedded Rat heart using CAST Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Human prostate using CAST Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse brain using CAST Antibody (1/100 dilution, 40x lens).

CAST Antibody is a Rabbit Polyclonal antibody against CAST. 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.

Target: Calpastatin (CAST)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: IHC

Host: Rabbit

Datasheet

Version: 4.0.0
Revision date: 24 May 2025



Recommended dilutions: IHC-P: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: A synthetic peptide corresponding to human CAST

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P20810 ([UniProt](#), [ExPASy](#))

Gene Symbol: CAST

GeneID: [831](#)

NCBI Accession: NP_001177371.1

KEGG: hsa:831

String: [9606.ENSP00000379157](#)

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.