

## ARG57287 anti-Calpastatin antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Calpastatin
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Calpastatin
Species	Human
Immunogen	Recombinant Protein of Human Calpastatin.
Conjugation	Un-conjugated
Alternate Names	Calpastatin; PLACK; Calpain inhibitor; Sperm BS-17 component; BS-17

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	H460	

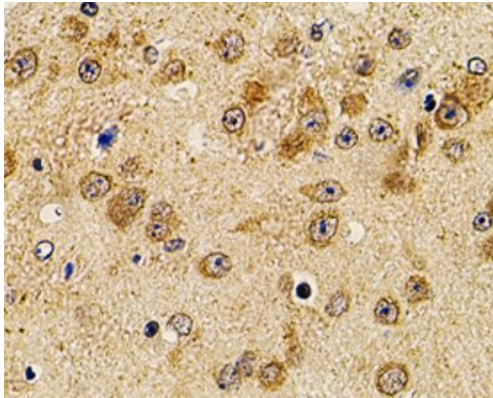
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

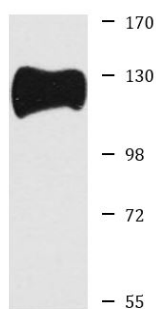
Gene Symbol	CAST
Gene Full Name	calpastatin
Background	The protein encoded by this gene is an endogenous calpain (calcium-dependent cysteine protease) inhibitor. It consists of an N-terminal domain L and four repetitive calpain-inhibition domains (domains 1-4), and it is involved in the proteolysis of 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. [provided by RefSeq, Jun 2010]
Function	Specific inhibition of calpain (calcium-dependent cysteine protease). Plays a key role in postmortem tenderization of meat and have been proposed to be involved in muscle protein degradation in living tissue. [UniProt]
Calculated Mw	77 kDa
PTM	The N-terminus is blocked.

## Images



ARG57287 anti-Calpastatin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue stained with ARG57287 anti-Calpastatin antibody at 1:100 dilution.



H460

ARG57287 anti-Calpastatin antibody WB image

Western blot: H460 cell lysate stained with ARG57287 anti-Calpastatin antibody.