

ARG54629
anti-Calpastatin antibody [CSL1 5]Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CSL1 5] recognizes Calpastatin
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, WB
Specificity	This antibody specifically recognizes an epitope within domain III of human calpastatin.
Host	Mouse
Clonality	Monoclonal
Clone	CSL1 5
Isotype	IgG1
Target Name	Calpastatin
Species	Human
Immunogen	Recombinant human muscle-type calpastatin.
Conjugation	Un-conjugated
Alternate Names	Calpastatin; PLACK; Calpain inhibitor; Sperm BS-17 component; BS-17

Application Instructions

Application Note	ELISA: 1 - 10 µg/ml with immobilized antigen. Western blot: 1 - 10 µg/ml, denaturing and non-denaturing conditions. Immunohistochemistry: 1 - 10 µg/ml, frozen tissue sections. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Buffer	10 mM PBS (pH 7.4) and 1% BSA
Stabilizer	1% BSA
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 or below. 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

Database links	GeneID: 831 Human
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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]
Research Area	Cell Biology and Cellular Response antibody; Neuroscience antibody
Calculated Mw	77 kDa
PTM	The N-terminus is blocked.