

Datasheet for ABIN2172219

anti-Calpastatin antibody (AA 470-520) (PE)[Go to Product page](#)**1** Publication

Overview

Quantity:	100 µL
Target:	Calpastatin (CAST)
Binding Specificity:	AA 470-520
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpastatin antibody is conjugated to PE
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Calpastatin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow
Purification:	Purified by Protein A.

Target Details

Target:	Calpastatin (CAST)
Alternative Name:	Calpastatin (CAST Products)
Background:	Synonyms: BS-17, Calpastatin, Calpain inhibitor, Sperm BS-17 component, CAST

Target Details

Background: 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.

Gene ID: 831

UniProt: [P20810](#)

Application Details

Application Notes: FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Huang, Rose, Hoffmann, Hashimoto, Bertino, Denk, Takano, Iwata, Saido, Hoffmann: "Calpastatin prevents NF- κ B-mediated hyperactivation of macrophages and attenuates colitis." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 191, Issue 7, pp. 3778-88, (2013) ([PubMed](#)).