

DATASHEET

Calpastatin Rabbit Polyclonal Antibody

CAT. NO. APA14699

KEY FEATURES

Target	Calpastatin	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

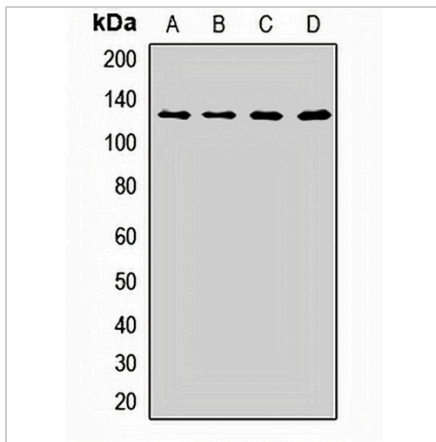
Description	Rabbit polyclonal antibody to Calpastatin
Specificity	Recognizes endogenous levels of Calpastatin protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human Calpastatin
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 63; Observed: 130 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Calpastatin; Calpain inhibitor; Sperm BS-17 component
Gene Symbol	CAST
Entrez Gene	831(Human); 12380(Mouse); 25403(Rat)
SwissProt	P20810(Human); P51125(Mouse); P27321(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Calpastatin expression in MCF7 (A), HepG2 (B), mouse lung (C), rat liver (D) whole cell lysates. (Predicted band size: 63; 71- 84 kD; Observed band size: 130 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.