

Datasheet for ABIN2855636  
**anti-Calpastatin antibody**

## 2 Images

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## Overview

Quantity:	100 µL
Target:	Calpastatin (CAST)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpastatin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Calpastatin. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to Calpastatin (calpastatin) Calpastatin antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	Calpastatin (CAST)
Alternative Name:	calpastatin ( <a href="#">CAST Products</a> )

## Target Details

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. Several alternatively spliced transcript variants of this gene have been described, but the full-length natures of only some have been determined.
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Molecular Weight:	77 kDa
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Gene ID:	831
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UniProt:	<a href="#">P20810</a>
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## Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
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Comment:	Positive Control: A549
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	0.7 mg/mL
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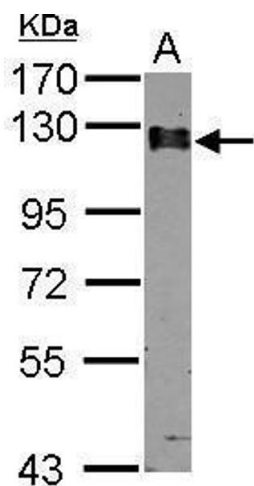
Buffer:	0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal
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Preservative:	Thimerosal (Merthiolate)
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Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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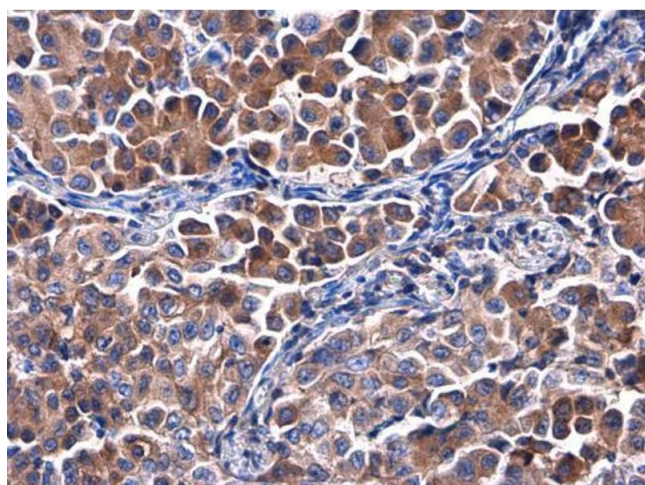
Storage:	4 °C,-20 °C
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Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
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#### Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: A549 7.5% SDS PAGE antibody diluted at 1:2000



#### Immunohistochemistry

**Image 2.** IHC-P Image Calpastatin antibody detects Calpastatin protein at cytoplasm in human lung cancer by immunohistochemical analysis. Sample: Paraffin-embedded human lung cancer. Calpastatin antibody, diluted at 1:500.