

# Product Datasheet

## Calpastatin Antibody (1F7E3D10) NB120-5582

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

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**NB120-5582**

Calpastatin Antibody (1F7E3D10)

**Product Information**

<b>Unit Size</b>	100uL
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1F7E3D10
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Unpurified
<b>Buffer</b>	Ascites

**Product Description**

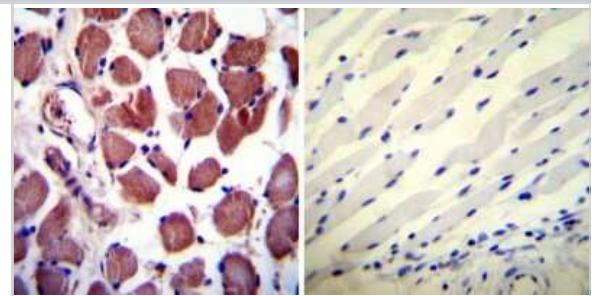
<b>Host</b>	Mouse
<b>Gene ID</b>	831
<b>Gene Symbol</b>	CAST
<b>Species</b>	Human, Rat, Porcine, Bovine
<b>Specificity/Sensitivity</b>	This does not cross-react with calpains or calmodulin.
<b>Immunogen</b>	Purified bovine skeletal muscle 80 kDa subunit of m-Calpastatin.

**Product Application Details**

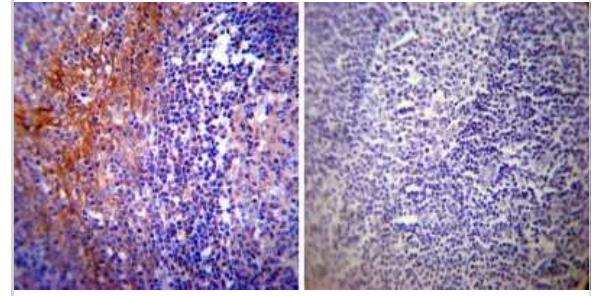
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:5000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:10 - 1:500
<b>Application Notes</b>	WB: Detects an approx. 150, 125, 90 and 70 kDa proteins (predicted molecular weight: 85 kDa) from bovine skeletal muscle extract, which have been suggested to be proteins translated from different start sites of the calpastatin gene. ICC: Staining of calpastatin in porcine LLC-PK1 cells with ab5582 results in diffuse cytoplasmic staining.

## Images

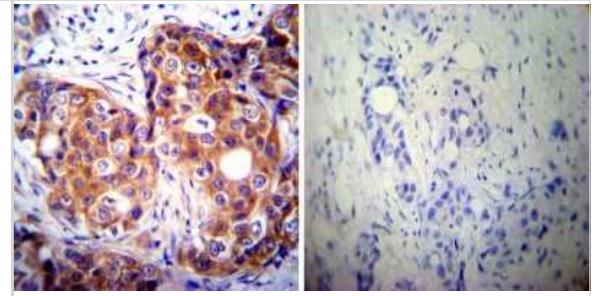
Immunohistochemistry-Paraffin: Calpastatin Antibody (1F7E3D10) [NB120-5582] - Both normal and cancer biopsies of deparaffinized Human skeletal muscle tissues.



Immunohistochemistry-Paraffin: Calpastatin Antibody (1F7E3D10) [NB120-5582] - Both normal and cancer biopsies of deparaffinized Human tonsil tissues.



Immunohistochemistry-Paraffin: Calpastatin Antibody (1F7E3D10) [NB120-5582] - Both normal and cancer biopsies of deparaffinized Human breast carcinoma tissues.



## Publications

Kaur J, Mencl S, Sahaboglu A et al. Calpain and PARP activation during photoreceptor cell death in P23H and S334ter rhodopsin mutant rats. PLoS One 2011-01-01 [PMID: 21765948]



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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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