

# Product Datasheet

## Calpain 1 Antibody - BSA Free NBP2-15671

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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Updated 9/25/2025 v.20.1

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**NBP2-15671**

Calpain 1 Antibody - BSA Free

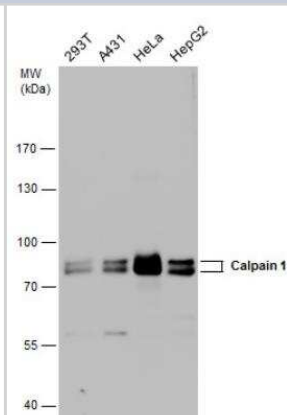
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris, 0.1M Glycine, 20% Glycerol
<b>Target Molecular Weight</b>	82 kDa

Product Description	
<b>Description</b>	Novus Biologicals Rabbit Calpain 1 Antibody - BSA Free (NBP2-15671) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Calpain 1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	823
<b>Gene Symbol</b>	CAPN1
<b>Species</b>	Human, Mouse, Squirrel
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (88%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Calpain 1. The exact sequence is proprietary.

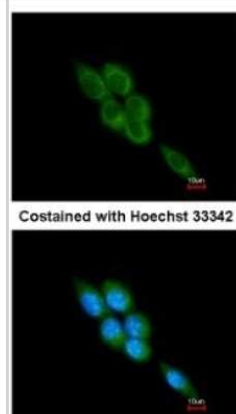
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

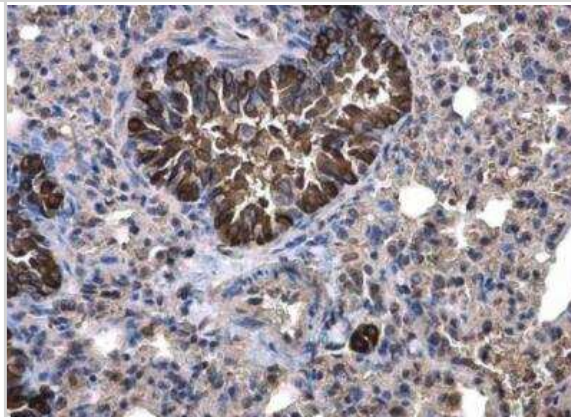
Western Blot: Calpain 1 Antibody [NBP2-15671] - Calpain 1 antibody detects Calpain 1 protein by western blot analysis. Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Calpain 1 antibody diluted at a dilution of 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



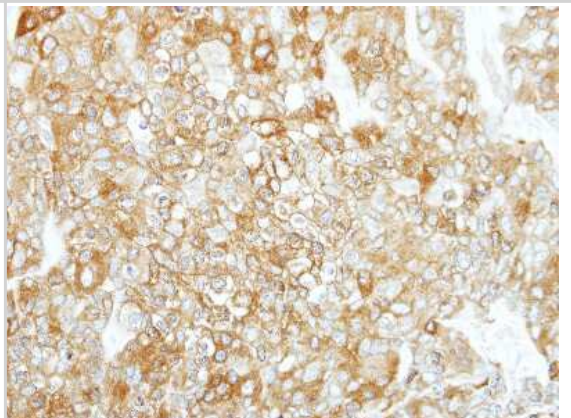
Immunocytochemistry/Immunofluorescence: Calpain 1 Antibody [NBP2-15671] - Analysis of methanol-fixed A431, using antibody at 1:200 dilution.



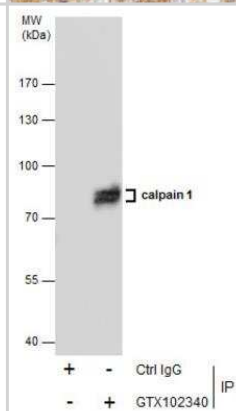
Immunohistochemistry-Paraffin: Calpain 1 Antibody [NBP2-15671] - Mouse lung. Calpain 1 antibody [N3C2], Internal diluted at 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Immunohistochemistry-Paraffin: Calpain 1 Antibody [NBP2-15671] - Immunohistochemical analysis of paraffin-embedded BT474 xenograft, using antibody at 1:500 dilution.



Immunoprecipitation: Calpain 1 Antibody [NBP2-15671] - Immunoprecipitation of Calpain 1 protein from A431 whole cell extracts using 5 ug of Calpain 1 antibody. Western blot analysis was performed using Calpain 1 antibody.



## Publications

Lokesh M, Bandaru LJM, Rajanna A et al. Unveiling Potential Neurotoxic Mechanisms: Pb-Induced Activation of CDK5-p25 Signaling Axis in Alzheimer's Disease Development, Emphasizing CDK5 Inhibition and Formation of Toxic p25 Species Molecular neurobiology 2023-11-16 [PMID: 37968421]



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### **Products Related to NBP2-15671**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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