

# Product Datasheet

## Calpain S1 Antibody NBP3-06243-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-06243-100ul****Calpain S1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.03% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen and protein A Affinity-purified
<b>Buffer</b>	PBS

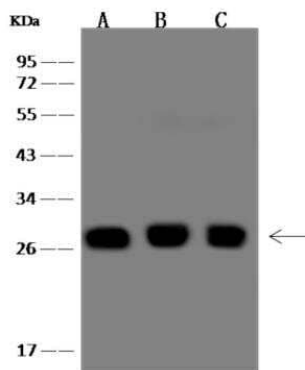
<b>Product Description</b>	
<b>Description</b>	This antibody can be stored at 2C-8C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20C to -80C. Avoid repeated freeze-thaw cycles.
<b>Host</b>	Rabbit
<b>Gene ID</b>	826
<b>Gene Symbol</b>	CAPNS1
<b>Species</b>	Human
<b>Immunogen</b>	Produced in rabbits immunized with E. coli-derived Human Calpain S1 fragment.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunoprecipitation 1-5uL/mg of lysate, Immunohistochemistry-Paraffin 1:50-1:200

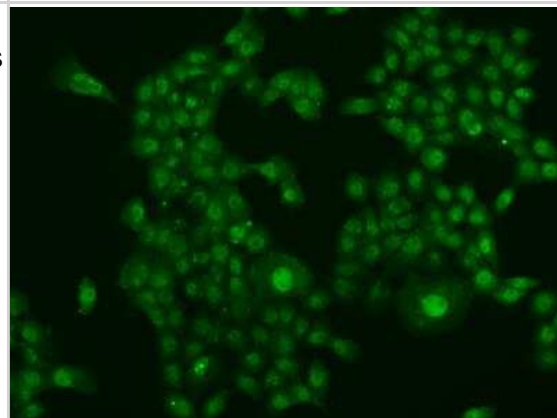


## Images

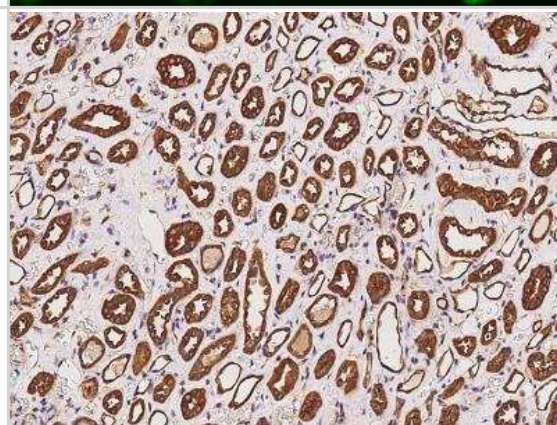
**Western Blot:** Calpain S1 Antibody [NBP3-06243] - Anti-Calpain S1 rabbit polyclonal antibody at 1:500 dilution Lane A: 293T Whole Cell Lysate Lane B: K562 Whole Cell Lysate Lane C: U-251 MG Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L) HRP at 110000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size:28 kDa Observed band size:28 kDa



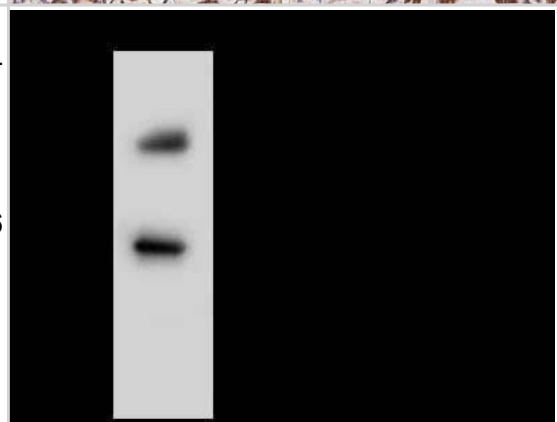
**Immunocytochemistry/Immunofluorescence:** Calpain S1 Antibody [NBP3-06243] - Immunofluorescence staining of Calpain S1 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human Calpain S1 polyclonal antibody (dilution ratio 1:200) at 4 degrees celsius overnight. Then cells were stained with the Alexa Fluor (TM) 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and Cytoplasm.



**Immunohistochemistry-Paraffin:** Calpain S1 Antibody [NBP3-06243] - Immunochemical staining of human Calpain S1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



**Immunoprecipitation:** Calpain S1 Antibody [NBP3-06243] - Calpain S1 was immunoprecipitated using: Lane A:0.5 mg K562 Whole Cell Lysate 4 uL anti-CAPNS1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein AG. Primary antibody: Anti-CAPNS1 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)HRP at 110000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 26 kDa Observed band size :28 kDa





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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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