

# Product Datasheet

## Proteasome 20S beta2 Antibody - BSA Free NBP1-92294

Unit Size: 0.1 ml

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

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### Publications: 2

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Updated 2/21/2025 v.20.1

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**NBP1-92294**

Proteasome 20S beta2 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>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

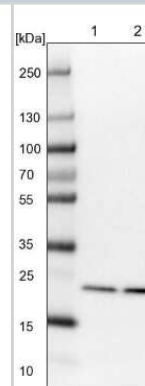
<b>Host</b>	Rabbit
<b>Gene ID</b>	5690
<b>Gene Symbol</b>	PSMB2
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LLLAGYDEHEGPALYYMDYLAALAKAPFAAHGYGAFLTLSILDRIYYTPTISRERA VELLRKCLEELQKR FILNLPTF

**Product Application Details**

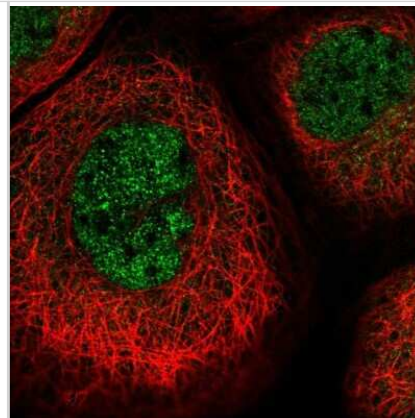
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

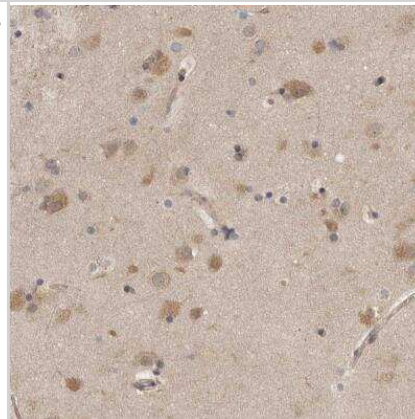
Western Blot: Proteasome 20S beta2 Antibody [NBP1-92294] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



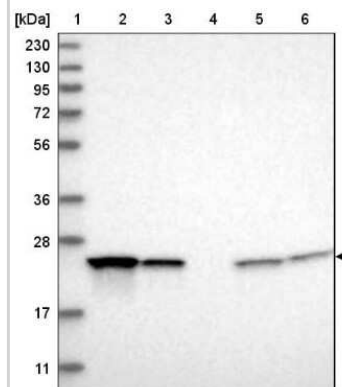
Immunocytochemistry/Immunofluorescence: Proteasome 20S beta2 Antibody [NBP1-92294] - Staining of human cell line A-431 shows localization to nucleoplasm. Antibody staining is shown in green.



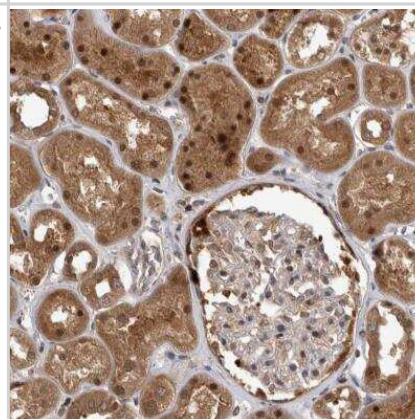
Immunohistochemistry-Paraffin: Proteasome 20S beta2 Antibody [NBP1-92294] - Staining of human cerebral cortex shows weak to moderate cytoplasmic positivity in neurons.



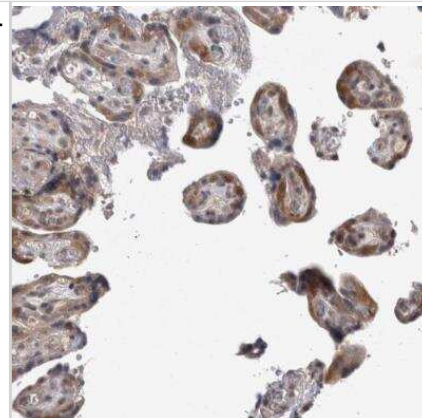
Western Blot: Proteasome 20S beta2 Antibody [NBP1-92294] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue. Lane 6: Human tonsil tissue



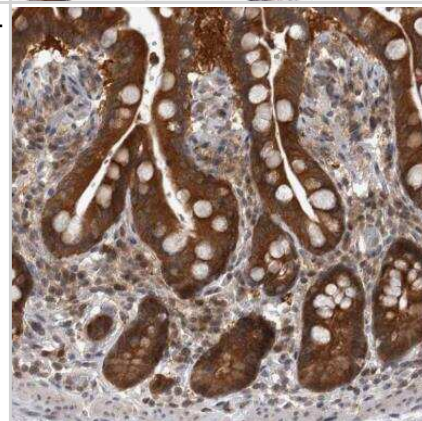
Immunohistochemistry-Paraffin: Proteasome 20S beta2 Antibody [NBP1-92294] - Staining of human kidney shows moderate to strong nuclear and cytoplasmic positivity in cells in tubules



Immunohistochemistry-Paraffin: Proteasome 20S beta2 Antibody [NBP1-92294] - Staining of human placenta shows moderate to strong nuclear and cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: Proteasome 20S beta2 Antibody [NBP1-92294] - Staining of human colon shows strong cytoplasmic positivity in glandular cells



## Publications

Villalón Landeros E, Kho SC, Church TR et Al. The nociceptive activity of peripheral sensory neurons is modulated by the neuronal membrane proteasome Cell Rep 2024-05-17 [PMID: 38614084]

Ramachandran KV, Margolis SS. A mammalian nervous-system-specific plasma membrane proteasome complex that modulates neuronal function. Nat. Struct. Mol. Biol. 2017-03-13 [PMID: 28287632]



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### **Products Related to NBP1-92294**

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NBP1-92294PEP	Proteasome 20S beta2 Recombinant Protein Antigen
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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