

# Product Datasheet

## gp96/HSP90B1/GRP94 Antibody - BSA Free NBP1-81803

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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**NBP1-81803**

gp96/HSP90B1/GRP94 Antibody - BSA Free

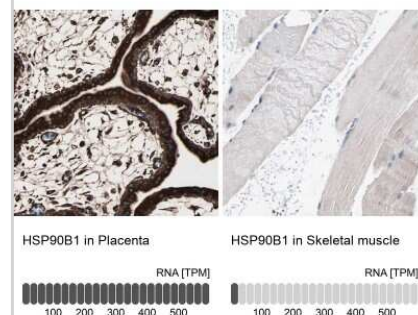
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	7184
Gene Symbol	HSP90B1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (87%).
Marker	ER Stress Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SGNMERIMKAQAYQTGKDISTNYYASQKKTFEINPRHPLIRDMLRRIKEDEDDK TVLDLAVVLFETATLRSGYLLPDTKAYGDRIERMLRSLNIDPDAKVEEEPEEPP EETAEDTTEDTEQDEDEEMDVGTDEEEETAKESTA

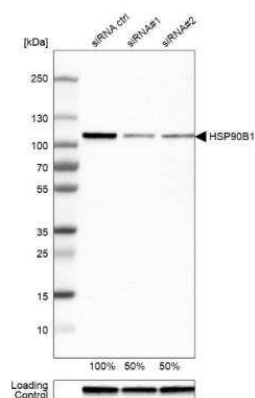
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 -1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

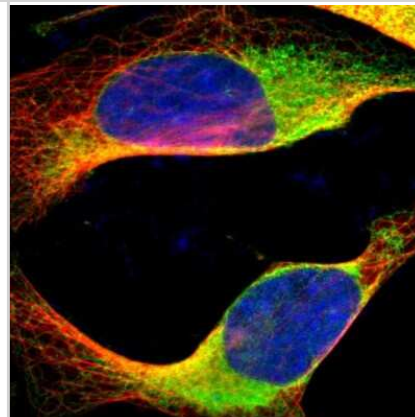
Immunohistochemistry-Paraffin: gp96/HSP90B1/GRP94 Antibody [NBP1-81803] - Analysis in human placenta and skeletal muscle tissues. Corresponding gp96/HSP90B1/GRP94 RNA-seq data are presented for the same tissues.



Western Blot: gp96/HSP90B1/GRP94 Antibody [NBP1-81803] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-HSP90B1 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.

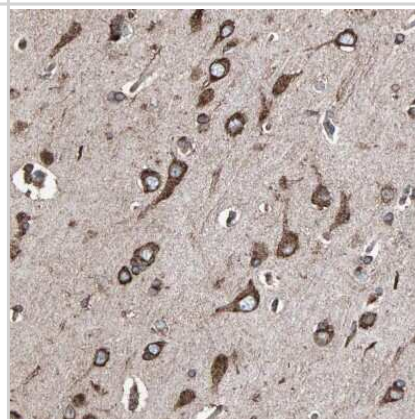


Immunocytochemistry/Immunofluorescence: gp96/HSP90B1/GRP94 Antibody [NBP1-81803] - Staining of human cell line U-2 OS shows localization to endoplasmic reticulum. Antibody staining is shown in green.

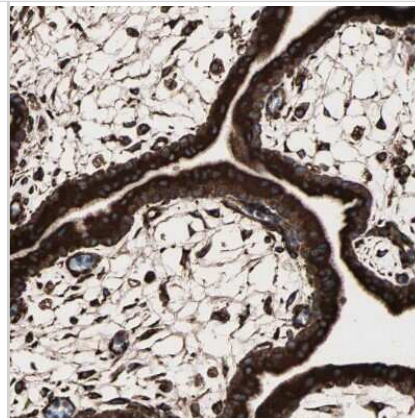


Immunohistochemistry-Paraffin: gp96/HSP90B1/GRP94 Antibody [NBP1-81803] - Staining of human thyroid gland shows strong cytoplasmic positivity in glandular cells. ✘

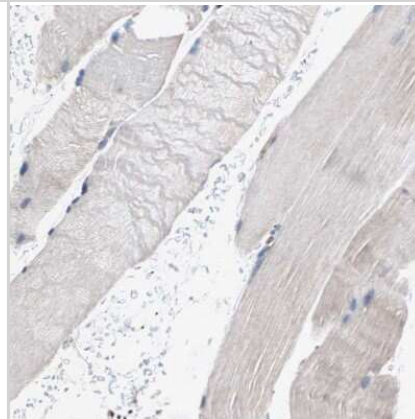
Immunohistochemistry-Paraffin: gp96/HSP90B1/GRP94 Antibody [NBP1-81803] - Staining of human cerebral cortex shows strong cytoplasmic positivity in neurons.



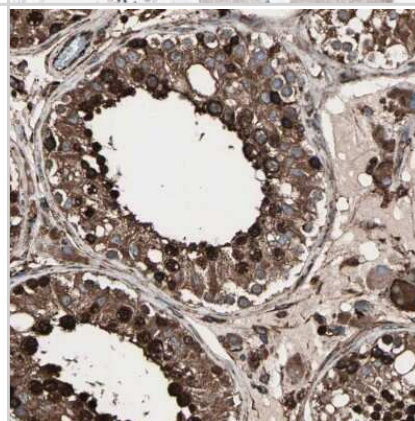
Immunohistochemistry-Paraffin: gp96/HSP90B1/GRP94 Antibody [NBP1-81803] - Staining of human placenta shows strong cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: gp96/HSP90B1/GRP94 Antibody [NBP1-81803] - Staining of human skeletal muscle shows weak cytoplasmic positivity in myocytes as expected.



Immunohistochemistry-Paraffin: gp96/HSP90B1/GRP94 Antibody [NBP1-81803] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts and Leydig cells.



## Publications

Ito A, Mimae T, Yamamoto YS et al. Novel application for pseudopodia proteomics using excimer laser ablation and two-dimensional difference gel electrophoresis. Lab Invest 2012-09-01 [PMID: 22751350]

Cawthorn TR, Moreno JC, Dharsee M et al. Proteomic Analyses Reveal High Expression of Decorin and Endoplasmin (HSP90B1) Are Associated with Breast Cancer Metastasis and Decreased Survival. PLoS One 2012-01-01 [PMID: 22363530]



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### **Products Related to NBP1-81803**

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NBP1-81803PEP	gp96/HSP90B1/GRP94 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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