

# Product Datasheet

## Prohibitin Antibody - BSA Free NBP1-87283

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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**NBP1-87283**

Prohibitin 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

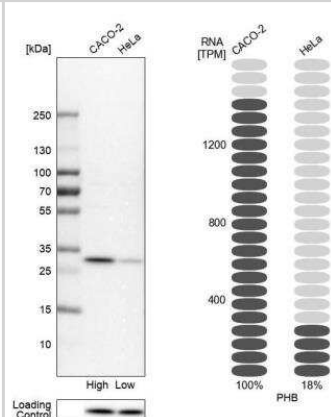
Product Description	
Host	Rabbit
Gene ID	5245
Gene Symbol	PHB1
Species	Human, Mouse, Rat
Marker	Mitochondria Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DVSLTHLTFGKEFTEAVEAKQVAQQEAERARFVVEKAEQQKKAIIISAEGDSKA AELIANSLATAGDGLIELRKLEAAEDIAYQLSRSRNITYLP

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

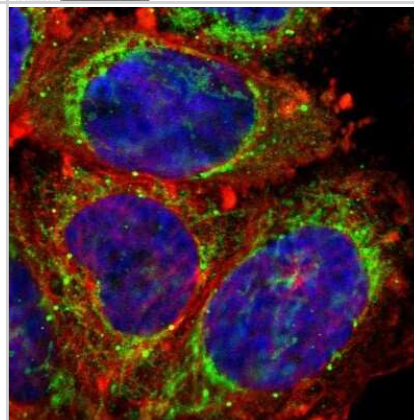


## Images

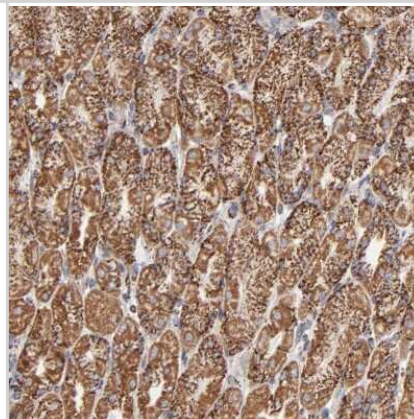
Western Blot: Prohibitin Antibody [NBP1-87283] - Analysis in human cell lines Caco-2 and HeLa using Anti-PHB antibody. Corresponding PHB RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



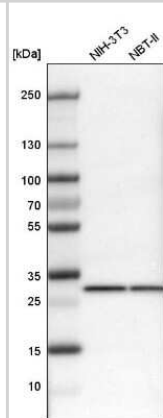
Immunocytochemistry/Immunofluorescence: Prohibitin Antibody [NBP1-87283] - Immunofluorescent staining of human cell line A-431 shows localization to mitochondria & vesicles. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: Prohibitin Antibody [NBP1-87283] - Staining of human stomach shows strong cytoplasmic positivity, with a granular pattern, in glandular cells.



Western Blot: Prohibitin Antibody [NBP1-87283] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



## Publications

Koziol U, Rauschendorfer T, Zanon Rodriguez L et al. The unique stem cell system of the immortal larva of the human parasite *Echinococcus multilocularis*. *EvoDevo* 2014-03-06 [PMID: 24602211] (ICC/IF, IF/IHC, Human)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. *Nat Methods* 2013-04-01 [PMID: 23435261]





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### **Products Related to NBP1-87283**

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NBP1-87283PEP	Prohibitin 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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