

Product Datasheet

GCH1 Antibody - BSA Free

NBP1-84949

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: 1

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NBP1-84949

GCH1 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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	28 kDa

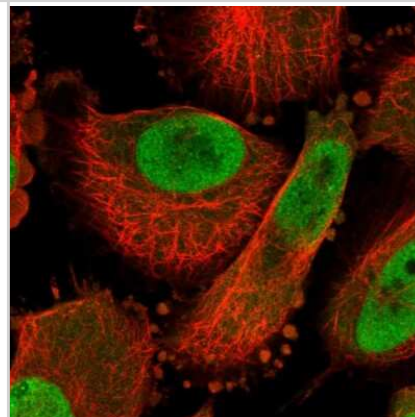
Product Description	
Description	Novus Biologicals Rabbit GCH1 Antibody - BSA Free (NBP1-84949) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GCH1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2643
Gene Symbol	GCH1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ELNLPNLAAAYSSILSSLGENPQRQGLLKTPWRAASAMQFFTKGYQETISDVLN DAIFDEHDDEMIVIKDIDMFSMCEHHLVPFVGKVVHIGYLPNKQVLGLSKLARIVE IYSRRLQVQE

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: PFA/Triton X-100

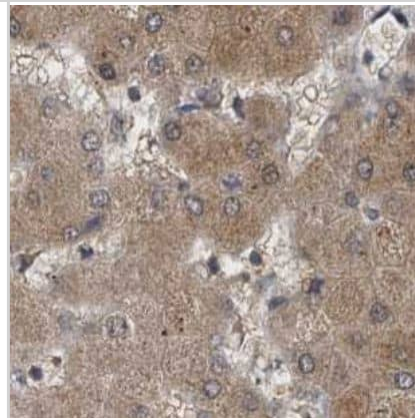


Images

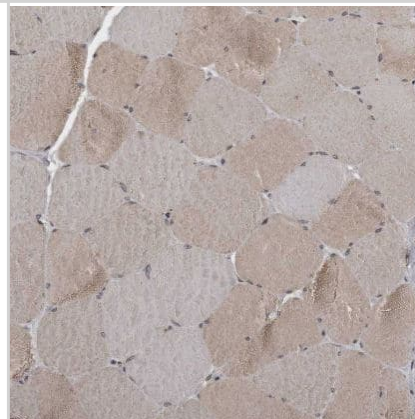
Immunocytochemistry/Immunofluorescence: GCH1 Antibody [NBP1-84949] - Staining of human cell line U-251 MG shows localization to nucleoplasm & cytosol. Antibody staining is shown in green.



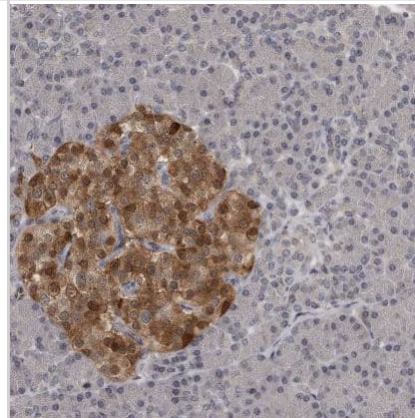
Immunohistochemistry-Paraffin: GCH1 Antibody [NBP1-84949] - Staining of human liver shows moderate cytoplasmic positivity in hepatocytes.



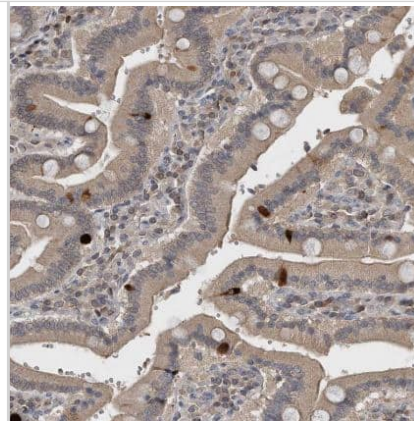
Immunohistochemistry-Paraffin: GCH1 Antibody [NBP1-84949] - Staining of human skeletal muscle shows very weak positivity in myocytes as expected.



Immunohistochemistry-Paraffin: GCH1 Antibody [NBP1-84949] - Staining of human pancreas shows strong cytoplasmic and nuclear positivity in islets of Langerhans.



Immunohistochemistry-Paraffin: GCH1 Antibody [NBP1-84949] -Staining of human duodenum shows strong cytoplasmic positivity in enteroendocrine cells.



Publications

Cronin SJF, Rao S, Tejada MA et al. Phenotypic drug screen uncovers the metabolic GCH1/BH4 pathway as key regulator of EGFR/KRAS-mediated neuropathic pain and lung cancer Science Translational Medicine 2022-08-31 [PMID: 36044597] (Western Blot)



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Products Related to NBP1-84949

NBP1-84949PEP	GCH1 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

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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