

# Product Datasheet

## GCN1L1 Antibody - BSA Free

### NBP1-83383

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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**NBP1-83383**

GCN1L1 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**

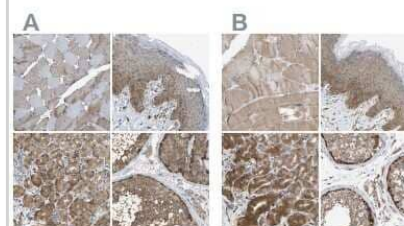
<b>Host</b>	Rabbit
<b>Gene ID</b>	10985
<b>Gene Symbol</b>	GCN1L1
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: EALVTDAGEVTEAGKAYVPPRVLQEALCVISGVPGLKGDVTDTEQLAQEMLIIS HHPSLVAVQSGLWPALLARMKIDPEAFITRHLDDQIIPRMTTQSPLNQSSMNAMG SLSVLSPDRVLPQLISTITA

**Product Application Details**

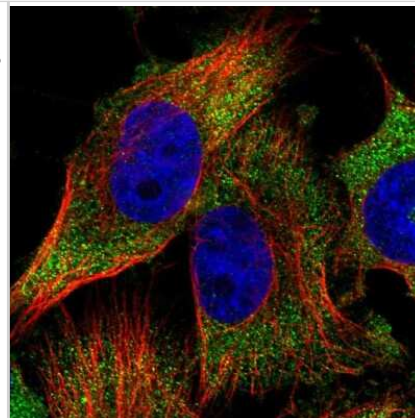
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	For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

**Images**

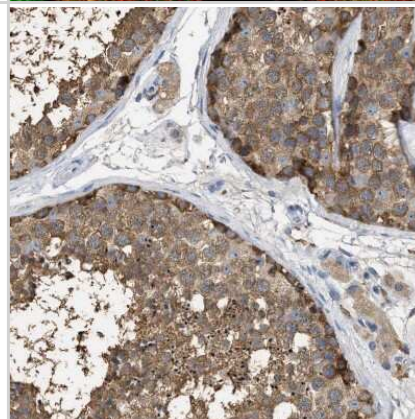
Immunohistochemistry-Paraffin: GCN1L1 Antibody [NBP1-83383] - Staining of human skeletal muscle, skin, stomach and testis using Anti-GCN1L1 antibody NBP1-83383 (A) shows similar protein distribution across tissues to independent antibody NBP1-83382 (B).



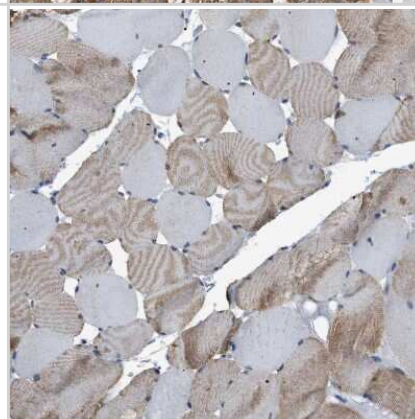
Immunocytochemistry/Immunofluorescence: GCN1L1 Antibody [NBP1-83383] - Immunofluorescent staining of human cell line U-251 MG shows localization to cytosol.



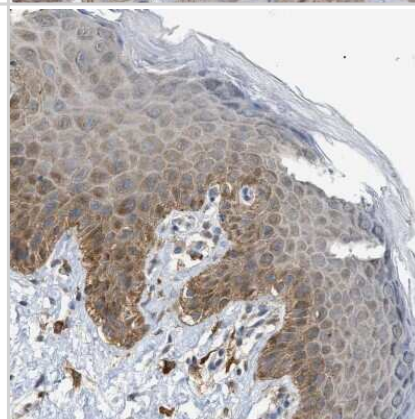
Immunohistochemistry-Paraffin: GCN1L1 Antibody [NBP1-83383] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



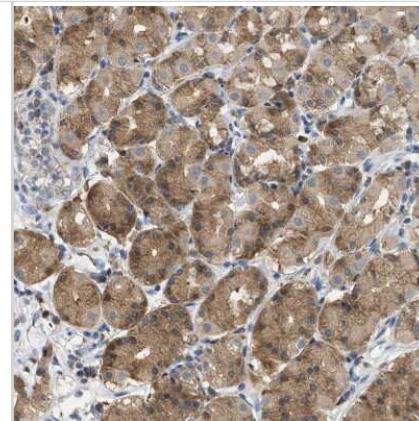
Immunohistochemistry-Paraffin: GCN1L1 Antibody [NBP1-83383] - Staining of human skeletal muscle shows moderate cytoplasmic positivity in myocytes.



Immunohistochemistry-Paraffin: GCN1L1 Antibody [NBP1-83383] - Staining of human skin shows strong cytoplasmic positivity in squamous epithelial cells.



Immunohistochemistry-Paraffin: GCN1L1 Antibody [NBP1-83383] - Staining of human stomach shows strong cytoplasmic positivity in glandular cells.



## Publications

Oltion K, Carelli JD, Yang T et al. An E3 ligase network engages GCN1 to promote the degradation of translation factors on stalled ribosomes Cell 2023-01-19 [PMID: 36638793] (KD, WB, Human)

Details:

KD see supplemental figure S5



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### **Products Related to NBP1-83383**

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NBP1-83383PEP	GCN1L1 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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