

# Product Datasheet

## HGD Antibody - BSA Free NBP2-49039

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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**NBP2-49039**

HGD 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**

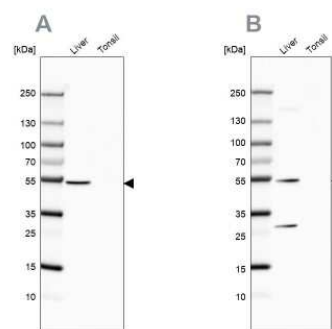
<b>Description</b>	Novus Biologicals Rabbit HGD Antibody - BSA Free (NBP2-49039) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3081
<b>Gene Symbol</b>	HGD
<b>Species</b>	Human
<b>Reactivity Notes</b>	Rat (89%)
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: AELKYISGFGNECSEDPRCPGSLPEGQNNPQVCPYNLYAEQLSGSAFTCPR STNKRSWLRYRILPSVSHKPFESIDEGQVTHNWDEVDPDPNQ

**Product Application Details**

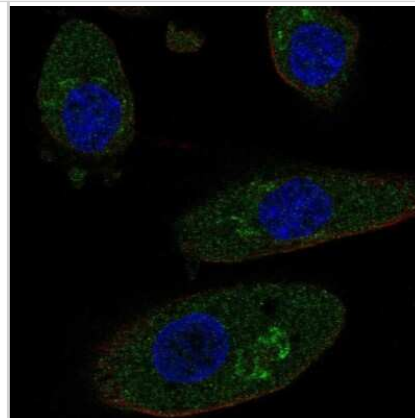
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

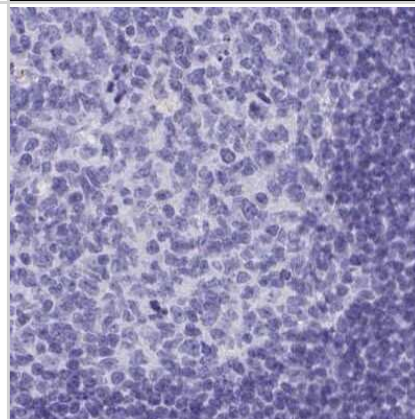
Western Blot: HGD Antibody [NBP2-49039] - Analysis using Anti-HGD antibody NBP2-49039 (A) shows similar pattern to independent antibody NBP2-33488 (B).



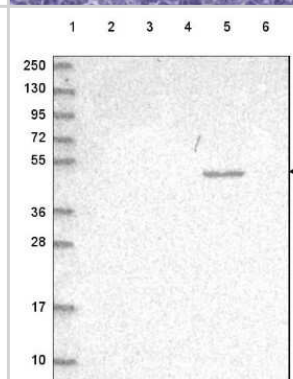
Immunocytochemistry/Immunofluorescence: HGD Antibody [NBP2-49039] - Staining of human cell line RPTEC TERT1 shows localization to the Golgi apparatus. Antibody staining is shown in green.



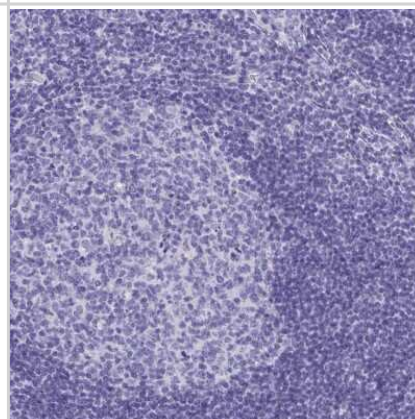
Immunohistochemistry-Paraffin: HGD Antibody [NBP2-49039] - Staining of human tonsil using Anti-HGD antibody NBP2-49039.



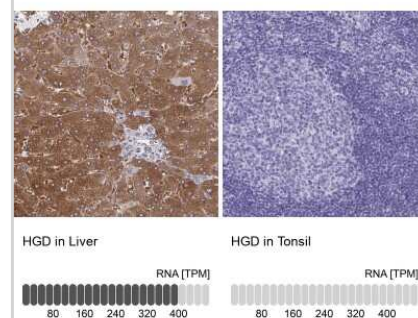
Western Blot: HGD Antibody [NBP2-49039] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10  
 Lane 2: Human cell line RT-4  
 Lane 3: Human cell line U-251 MG  
 Lane 4: Human plasma  
 Lane 5: Human Liver tissue  
 Lane 6: Human Tonsil tissue



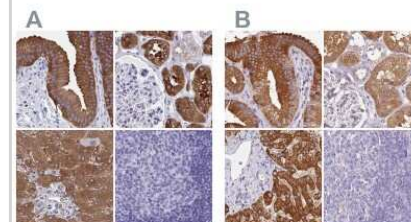
Immunohistochemistry-Paraffin: HGD Antibody [NBP2-49039] - Staining of human tonsil shows low expression as expected.



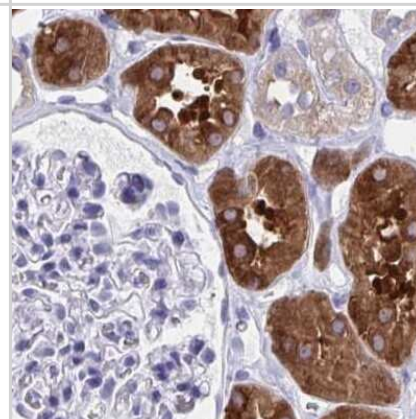
Immunohistochemistry-Paraffin: HGD Antibody [NBP2-49039] - Staining in human liver and tonsil tissues using anti-HGD antibody. Corresponding HGD RNA-seq data are presented for the same tissues.



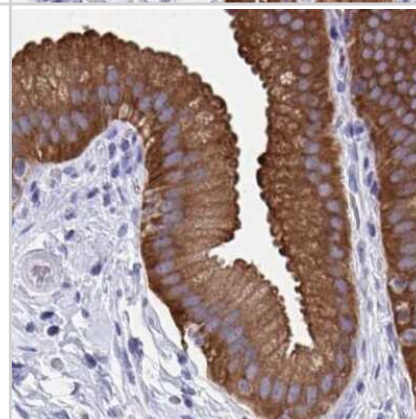
Immunohistochemistry-Paraffin: HGD Antibody [NBP2-49039] - Staining of human gallbladder, kidney, liver and tonsil using Anti-HGD antibody NBP2-49039 (A) shows similar protein distribution across tissues to independent antibody NBP2-33488 (B).



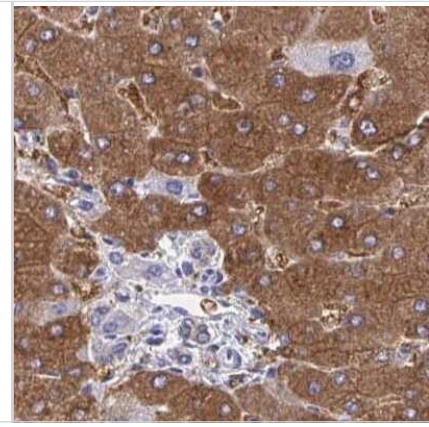
Immunohistochemistry-Paraffin: HGD Antibody [NBP2-49039] - Staining of human kidney.



Immunohistochemistry-Paraffin: HGD Antibody [NBP2-49039] - Staining of human gallbladder.



Immunohistochemistry-Paraffin: HGD Antibody [NBP2-49039] - Staining of human liver using Anti-HGD antibody NBP2-49039.





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### **Products Related to NBP2-49039**

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NBP2-49039PEP	HGD 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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