

# Product Datasheet

## GATA-1 Antibody - BSA Free

### NBP1-84793

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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**NBP1-84793**

GATA-1 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>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

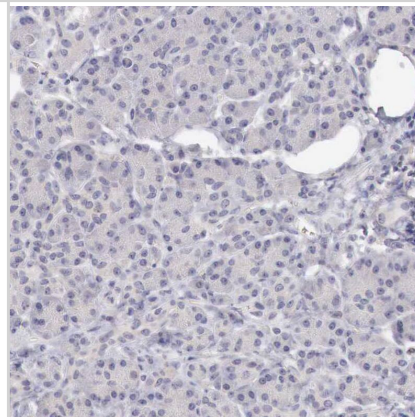
Product Description	
<b>Description</b>	Novus Biologicals Rabbit GATA-1 Antibody - BSA Free (NBP1-84793) is a polyclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2623
<b>Gene Symbol</b>	GATA1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (81%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: EGLDAAASSTAPSTATAAAAAALAYYRDAEAYRHSPVVFQVYPLLNCMEGIPGGS PYAGWAYGKTGLYPASTVCPTREDSPPQAVEDLDGKGSTSFLETLKTERLSPD LLTLGPALP

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunohistochemistry-Paraffin 1:20 - 1:50, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

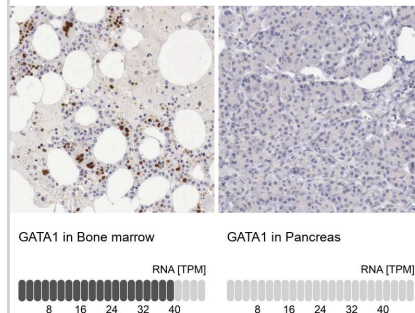


## Images

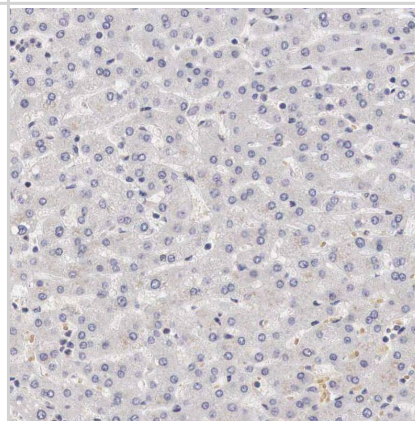
Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



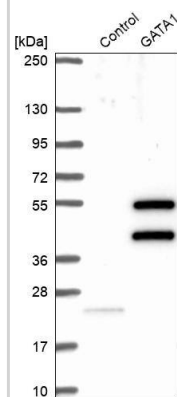
Analysis in human bone marrow and pancreas tissues using HPA000232 antibody. Corresponding GATA1 RNA-seq data are presented for the same tissues.



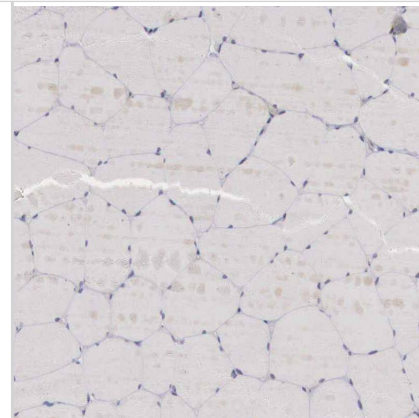
Staining of human liver shows no positivity in hepatocytes as expected.



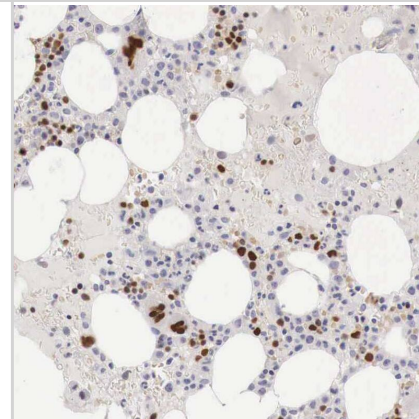
Analysis in control (vector only transfected HEK293T lysate) and GATA1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells, LY400758).



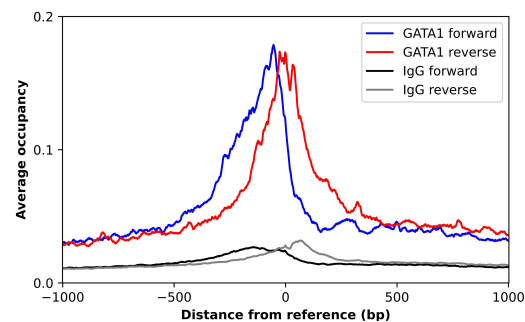
Staining of human skeletal muscle shows no positivity in myocytes as expected.



Staining of human bone marrow shows strong nuclear positivity in hematopoietic cells.



ChIP-Exo-Seq composite graph for Anti-GATA1 (NBP1-84793) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.





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### **Products Related to NBP1-84793**

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NBP1-84793PEP	GATA-1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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