

# Product Datasheet

## Nuclear Factor Erythroid Derived 2 Antibody - BSA Free NBP1-82580

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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Updated 12/2/2025 v.20.1

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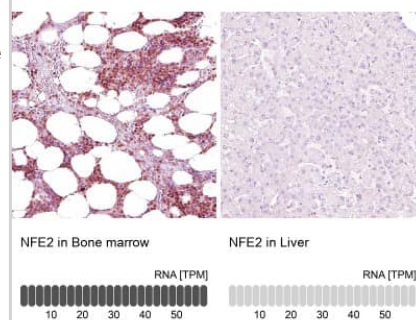


**NBP1-82580****Nuclear Factor Erythroid Derived 2 Antibody - BSA Free**

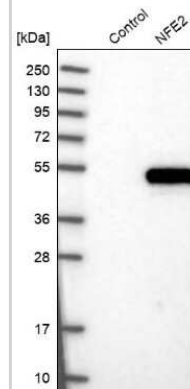
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</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
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Nuclear Factor Erythroid Derived 2 Antibody - BSA Free (NBP1-82580) is a polyclonal antibody validated for use in IHC, WB and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	4778
<b>Gene Symbol</b>	NFE2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (82%), Rat (85%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: SRNRVIQLSTSELGEMELTWQEIMSITE LQGLNAPSEPSFEPQAPAPYLGPPPP TTYCPCSIHPDSGFPLPPPPYELPASTSHVPDPPYSYGNMAIPVSKPLSLSGLL SEPLQDPLALLDIGLPAGPPKPKQEDPES
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50-1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. br/>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in K-562, separated by Size, antibody dilution of 1:20, apparent MW was 52 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

## Images

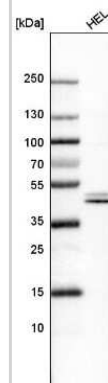
Immunohistochemistry-Paraffin: Nuclear Factor Erythroid Derived 2 Antibody [NBP1-82580] - Staining in human bone marrow and liver tissues . Corresponding NFE2 RNA-seq data are presented for the same tissues.



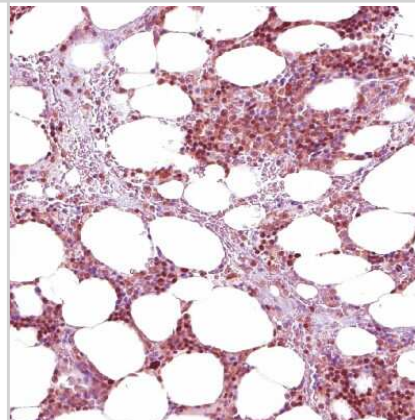
Western Blot: Nuclear Factor Erythroid Derived 2 Antibody [NBP1-82580] - Analysis in control (vector only transfected HEK293T lysate) and NFE2 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



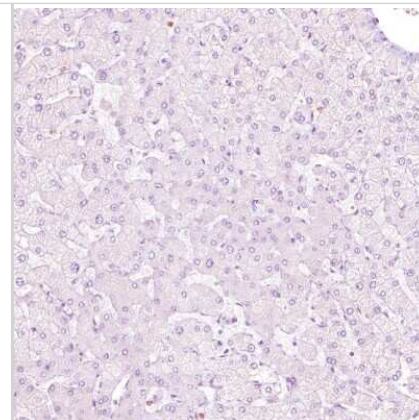
Western Blot: Nuclear Factor Erythroid Derived 2 Antibody [NBP1-82580] - Analysis in human cell line HEL.



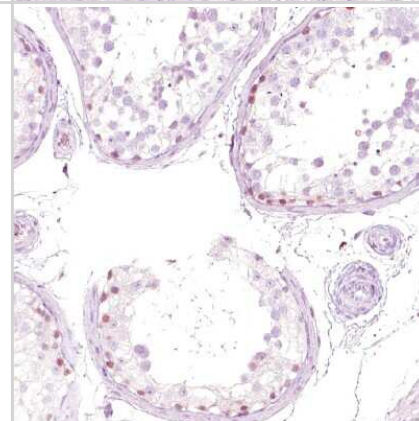
Immunohistochemistry-Paraffin: Nuclear Factor Erythroid Derived 2 Antibody [NBP1-82580] - Staining of human bone marrow shows moderate to strong nuclear positivity in hematopoietic cells.



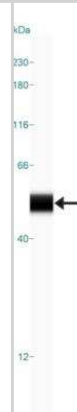
Immunohistochemistry-Paraffin: Nuclear Factor Erythroid Derived 2 Antibody [NBP1-82580] - Staining of human liver shows no nuclear positivity in hepatocytes as expected.



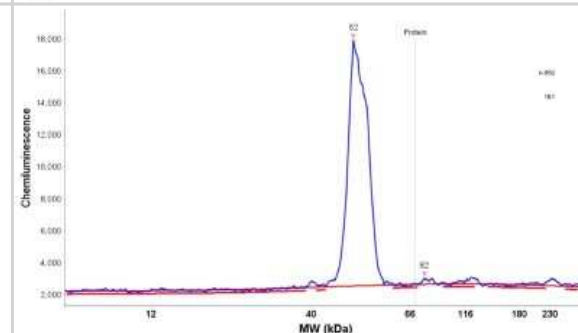
Immunohistochemistry-Paraffin: Nuclear Factor Erythroid Derived 2 Antibody [NBP1-82580] - Staining of human testis shows moderate nuclear positivity in cells in seminiferous ducts.



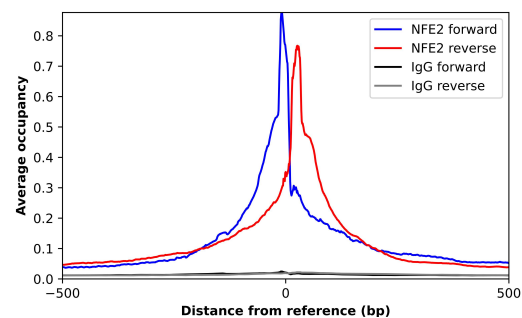
Simple Western: Nuclear Factor Erythroid Derived 2 Antibody [NBP1-82580] - Simple Western lane view shows a specific band for NFE2 in 0.2 mg/ml of K-562 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Nuclear Factor Erythroid Derived 2 Antibody [NBP1-82580] - Electropherogram image(s) of corresponding Simple Western lane view. Nuclear Factor Erythroid Derived 2 antibody was used at 1:20 dilution on K-562 lysate(s).



ChIP-Exo-Seq composite graph for Anti-NFE2 (NBP1-82580) 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 NBP1-82580**

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NBP1-82580PEP	Nuclear Factor Erythroid Derived 2 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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