

Product Datasheet

GATA-2 Antibody NBP1-82581

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 12/20/2023 v.20.1

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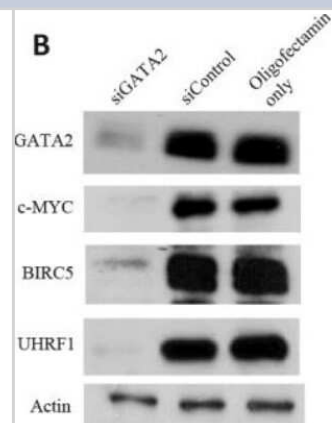
NBP1-82581

GATA-2 Antibody

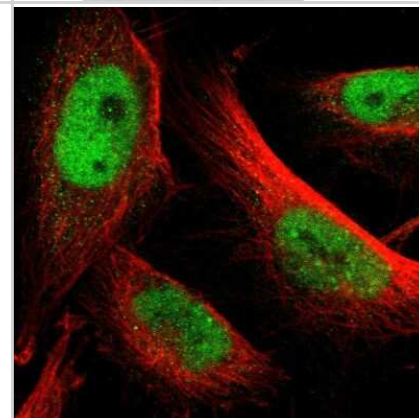
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2), 40% Glycerol
Target Molecular Weight	51 kDa
Product Description	
Host	Rabbit
Gene ID	2624
Gene Symbol	GATA2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24583263).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LTGGQMCRPHLLHSPGLPWLDGGKAALSAAAAHHHNPWTVSPFSKTPLHPSA AGGPGGPLSVYPGAGGGGSGGGSSVASLTPTAAHSGSHLFGFPPTPPKEVS PDPSTTGAASPASSSAGGSAARG
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:100, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25 - 2 ug/mL, Immunoprecipitation, Immunohistochemistry-Paraffin 1:20 - 1:50, Immunohistochemistry-Frozen 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. Use in IHC-Frozen reported in scientific literature (PMID 24583263). Use in IHC reported in scientific literature (PMID: 24448395). This GATA-2 antibody is validated for IP from a verified customer review. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

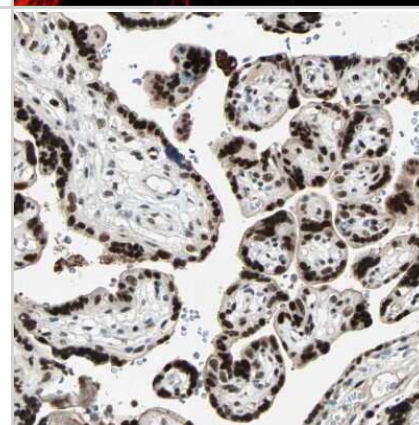
Western Blot: GATA-2 Antibody [NBP1-82581] - Microarray gene expression data. A number of genes were validated for gene expression changes by Western blot analysis. Image collected and cropped by CiteAb from the following publication (<http://www.oncotarget.com/fulltext/1296>), licensed under a CC-BY license.



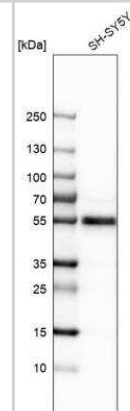
Immunocytochemistry/Immunofluorescence: GATA-2 Antibody [NBP1-82581] - Staining of human cell line U-251 MG shows localization to nucleoplasm. Antibody staining is shown in green. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: GATA-2 Antibody [NBP1-82581] - Staining of human placenta shows nuclear positivity in trophoblastic cells.



Western Blot: GATA-2 Antibody [NBP1-82581] - Analysis in human cell line SH-SY5Y.



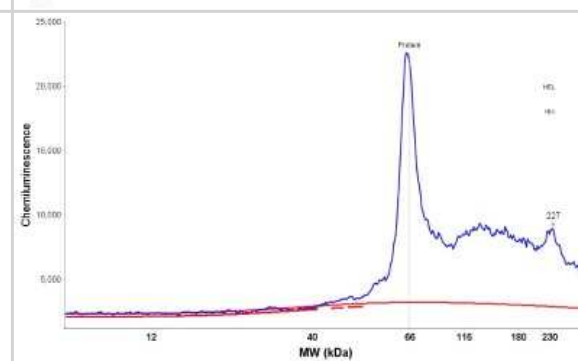
Immunohistochemistry-Paraffin: GATA-2 Antibody [NBP1-82581] - Staining of human kidney shows nuclear positivity in cells in tubules.



Simple Western: GATA-2 Antibody [NBP1-82581] - Simple Western lane view shows a specific band for GATA2 in 0.2 mg/mL of HELA lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: GATA-2 Antibody [NBP1-82581] - Electropherogram image(s) of corresponding Simple Western lane view. GATA-2 antibody was used at 1:100 dilution on HELA lysate(s).



Publications

Kazenwadel J, Venugopal P, Oszmiana A et al. A Prox1 enhancer represses haematopoiesis in the lymphatic vasculature *Nature* 2023-01-25 [PMID: 36697821] (IHC-WhMt, Mouse)

Details:

See extended data Fig. 7. Lots used C76352 and 000035473, Dilution used 1:500

Yang Y, Cha B, Motawe ZY et al. VE-Cadherin Is Required for Lymphatic Valve Formation and Maintenance *Cell Rep* 2019-08-27 [PMID: 31461654]

Buscheck F, Zub M, Heumann A et al. The independent prognostic impact of the GATA2 pioneering factor is restricted to ERG-negative prostate cancer *Tumour Biol.* 2019-07-01 [PMID: 31296150] (IF/IHC, Human)

Pichol-Thievend C, Betterman KL, Liu X et al. A blood capillary plexus-derived population of progenitor cells contributes to genesis of the dermal lymphatic vasculature during embryonic development *Development* 2018-05-17 [PMID: 29773646] (Mouse)

Frye M, Taddei A, Dierkes C et al. Matrix stiffness controls lymphatic vessel formation through regulation of a GATA2-dependent transcriptional program. *Nat Commun* 2018-04-17 [PMID: 29666442] (ICC/IF)

Chiang YT. Identification of metastasis-driving genes as potential therapeutic targets/biomarkers for metastatic prostate cancer (Thesis Supervisor - Dr. Yuzhuo Wang, BC Cancer Agency Research Centre, Canada) Thesis 2015-01-01 (ICC/IF, WB, IHC-P, Human)

Chiang Yan Ting, Wang Kendric, Fazli Ladan et al. GATA2 as a potential metastasis-driving gene in prostate cancer. *Oncotarget.* 2014-01-30 [PMID: 24448395] (IF/IHC, Human)

Shi X, Richard J, Zirbes KM et al. Cooperative interaction of Etv2 and Gata2 regulates the development of endothelial and hematopoietic lineages. *Dev. Biol.* 2014-03-03 [PMID: 24583263] (IHC-Fr, Mouse)





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Products Related to NBP1-82581

NBP1-82581PEP	GATA-2 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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