

Product Datasheet

Ferroportin/SLC40A1 Antibody (1308C) - BSA Free NBP2-75923

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-75923

Ferroportin/SLC40A1 Antibody (1308C) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1308C
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	62.5 kDa

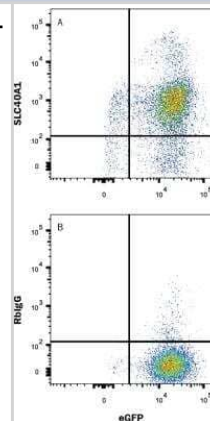
Product Description	
Description	Novus Biologicals Rabbit Ferroportin/SLC40A1 Antibody (1308C) - BSA Free (NBP2-75923) is a recombinant monoclonal antibody validated for use in IHC and Flow. Anti-Ferroportin/SLC40A1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	30061
Gene Symbol	SLC40A1
Species	Human
Immunogen	This Ferroportin/SLC40A1 Antibody (1308C) was developed against a synthetic peptide made to an internal portion of human Ferroportin 1 (within residues 250-320). [UniProt# Q9NP59]

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 0.25 ug/ml, Immunohistochemistry 1 ug/ml, Immunohistochemistry-Paraffin 1 ug/ml

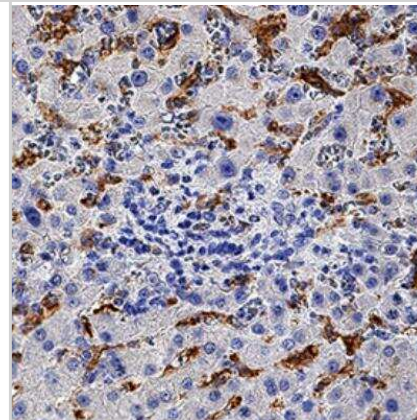


Images

Flow Cytometry: Ferroportin/SLC40A1 Antibody (1308C) [NBP2-75923] - HEK293 human embryonic kidney cell line transfected with human Ferroportin/SLC40A1 and eGFP was stained with either (A) Rabbit Anti-Human Ferroportin/SLC40A1 Antibody (1308C) (NBP2-75923) or (B) Rabbit IgG Isotype Control (Catalog # MAB1050) followed by APC-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # F0111).



Immunohistochemistry-Paraffin: Ferroportin/SLC40A1 Antibody (1308C) [NBP2-75923] - Ferroportin/SLC40A1 was detected in immersion fixed paraffin-embedded sections of human liver using Rabbit Anti-Human Ferroportin/SLC40A1 Antibody (1308C) (Catalog # NBP2-75923) at 1 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte(TM) HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in Kupffer cells.



Publications

Isabella Wimmer, Cornelia Scharler, Taro Kadowaki, Sophie Hillebrand, Barbara Scheiber, Mojdehkar, Shuichi Ueda, Monika Bradl, Thomas Berger, Hans Lassmann, Simon Hametner Iron accumulation in the choroid plexus, ependymal cells and CNS parenchyma in a rat strain with low-grade haemolysis of fragile macrocytic red blood cells Brain Pathology 2021-01-29 [PMID: 33220123]

Zhang Q, He Y, Luo N et al. Landscape and Dynamics of Single Immune Cells in Hepatocellular Carcinoma Cell. 2019-10-31 [PMID: 31675496]

Details:

Citation used the FITC format of this antibody.

Procedures

Immunohistochemistry-Paraffin protocol for Ferroportin/SLC40A1 Antibody (NBP2-75923)

Ferroportin/SLC40A1 Antibody (1308C):

Recommended Protocol for IHC and ICC Staining

1. Deparaffinize paraffin-embedded sections in Xylene and hydrate in a series of graded alcohol to water. Perform Heat Induced Epitope Retrieval (HIER) if required. Rinse with deionized water. For frozen tissue sections deparaffinization is not required. Cells can be fixed in dishes they are cultured in, but don't require heat-induced epitope retrieval: for example, cells can be fixed with freshly made 2-4% formaldehyde solution for 20 minutes at room temperature and then rinsed 3 x 10 minutes with PBS. Do not let tissue sections or cells dry from this point on.
2. Block endogenous peroxidase by incubating slides with tissue sections with 3% H₂O₂/Methanol solution for 15 minutes at room temperature.
3. Rinse the sample 3 times with PBS containing 0.05% Tween 20.
4. Block with normal serum of choice, by incubating slides for 15 minutes at room temperature.
5. Drain or blot off solution, but do not rinse.
6. Apply primary antibody and incubate for 60 minutes at room temperature. It is the responsibility of the investigator to optimize working dilution and incubation time for primary antibodies.
7. Repeat step 3.
8. Apply the VisUCyte(TM) HRP Polymer, covering the entire area of the tissue sections, and incubate for 30 to 60 minutes at room temperature.
9. Repeat step 3.
10. Add HRP-sensitive substrate solution (which produces insoluble precipitate) to tissue sections and incubate using conditions recommended by the substrate's supplier. For example, HRP-sensitive substrate solution can be either, 3'-Diaminobenzidine (known as DAB) 3-Amino-9-ethylcarbazol (known as AEC).
11. Rinse with distilled tap water.
12. Counterstain tissue sections if required using hematoxylin or other counterstaining dyes as needed for 15 seconds to 2 minutes depending on the tissue.
13. Rinse slides with tap water (if hematoxylin was used) or other solution as required for the particular counterstaining dye and mount tissue sections under coverslips with either aqueous or non-aqueous (e.g. xylene-based) mounting media. Note: Unlike DAB, AEC is soluble in alcohols and xylene. Tissue sections subjected to an HRP-AEC protocol should be coverslipped using only aqueous mounting media.
14. Let slides dry and visualize staining under a microscope.

Precautions

Avoid using preservatives in solutions, such as Sodium Azide which is a strong inhibitor of HRP enzyme.





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Products Related to NBP2-75923

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-21502PEP	Ferroportin/SLC40A1 Antibody Blocking Peptide

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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