

Product Datasheet

MRP1 Antibody (IU5C1) - BSA Free NB110-57131

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NB110-57131

MRP1 Antibody (IU5C1) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	IU5C1
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	172 kDa

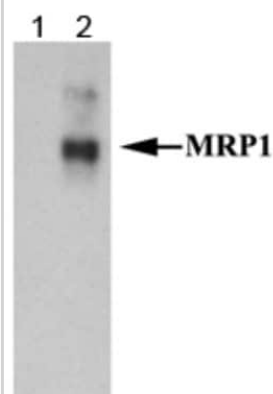
Product Description	
Description	Novus Biologicals Mouse MRP1 Antibody (IU5C1) - BSA Free (NB110-57131) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MRP1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4363
Gene Symbol	ABCC1
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Chicken (88%), Bovine (87%), Drosophila melanogaster (72%).
Immunogen	A recombinant peptide corresponding to residues 1-33 (N-terminal: SMALRGFCSADGSDPLWDWNVTWNTSNPDFTKCF) of human MRP1. [Swiss-Prot# P33527]

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:250 - 1:500, Immunohistochemistry 1:200, Immunocytochemistry/Immunofluorescence reported in scientific literature, Immunohistochemistry-Paraffin 1:200
Application Notes	This MRP1 antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot analysis on transfected lysate, where a band is seen at ~172 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

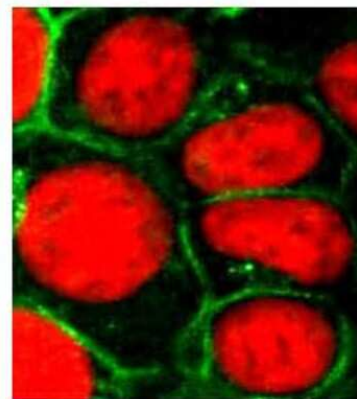


Images

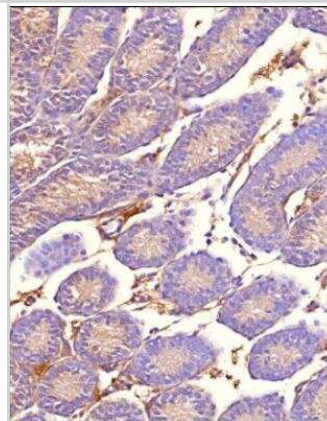
Western Blot: MRP1 Antibody (IU5C1) [NB110-57131] - Detection of MRP1 in 10 ug of 293 transfected (lane 2) and empty vector (lane 1) lysate.



Immunocytochemistry/Immunofluorescence: MRP1 Antibody (IU5C1) [NB110-57131] - Staining of MRP1 using NB110-57131 in HEK293 cells with MRP1 expression.



Immunohistochemistry-Paraffin: MRP1 Antibody (IU5C1) [NB110-57131] - Analysis of a FFPE tissue section of mouse testis using 1:200 dilution of MRP1 [IU5C1] antibody. The staining was developed using HRP labeled anti-mouse secondary antibody and DAB reagent, and nuclei of cells were counter-stained with hematoxylin.



Publications

Chen Q, Yang Y, Li L, Zhang JT. The amino terminus of the human multidrug resistance transporter ABCC1 has a U-shaped folding with a gating function. *J Biol Chem*;281(41):31152-63. 2006-10-13 [PMID: 16914551] (ICC/IF, Human)

Procedures

Immunohistochemistry-Paraffin Protocol for MRP1 Antibody (NB110-57131)

Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes (keep slides in the sodium citrate buffer all the time).

Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in PBS for 5 minutes.
3. Block each section with 100-400 ul blocking solution (1% BSA in PBS) for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul HRP polymer conjugated secondary antibody. Incubate 30 minutes at room temperature.
7. Wash sections three times in wash buffer for 5 minutes each.
8. Add 100-400 ul DAB substrate to each section and monitor staining closely.
9. As soon as the sections develop, immerse slides in deionized water.
10. Counterstain sections in hematoxylin.
11. Wash sections in deionized water two times for 5 minutes each.
12. Dehydrate sections.
13. Mount coverslips.





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Products Related to NB110-57131

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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