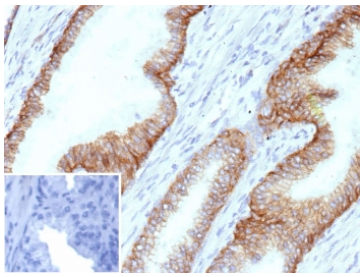
MOAT-B Antibody / Multi-specific organic anion transporter B / ABCC4 [clone ABCC4/9178] (V5644)

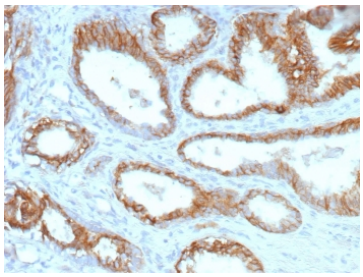
Catalog No.	Formulation	Size
V5644-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5644-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5644SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	ABCC4/9178
Purity	Protein G affinity
UniProt	O15439
Localization	Membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This MOAT-B antibody is available for research use only.



IHC staining of FFPE human prostate tissue with MOAT-B antibody (clone ABCC4/9178). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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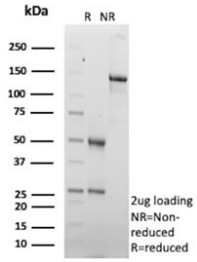

SDS-PAGE analysis of purified, BSA-free MOAT-B antibody (clone ABCC4/9178) as confirmation of integrity and purity.

Description

The two members of the large family of ABC transporters known to confer multidrug resistance in human cancer cells are the Mdr-1 P-glycoprotein and the multidrug-resistance protein MRP1. MRP1 is an integral membrane protein that contains an MDR-like core, an N-terminal membrane-bound region and a cytoplasmic linker, and it is expressed in various cerebral cells, as well as in lung, testis and peripheral blood. The MRP gene family also includes MRP2, which is alternatively designated cMOAT (for canalicular multispecific organic anion transporter), and MRP3, which are both conjugate export pumps expressed predominantly in hepatocytes. MRP2 localizes exclusively to the apical membrane and is constitutively expressed at a high level in normal liver cells. Conversely, MRP3 localizes to the basolateral membrane where it also mediates the transport of the organic anion S-(2,4-dinitrophenyl-) glutathione toward the basolateral side of the membrane. MRP3 is normally expressed at comparatively lower levels than MRP2 and increases only when secretion across the apical membrane by MRP2 is impaired. MRP6 is highly expressed in liver and kidney, whereas MRP4 (also called MOAT-B) and MRP5 are detected in various tissues, yet at much lower levels of expression.

Application Notes

Optimal dilution of the MOAT-B antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-200 from human ABCC4 protein was used as the immunogen for the MOAT-B antibody.

Storage

Aliquot the MOAT-B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com