MRP3 (Multidrug Resistance-Associated Protein 3) Antibody

Mouse Monoclonal Antibody [Clone ABCC3/2971]

Catalog No	Format	Size
8714-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
8714-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
8714-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

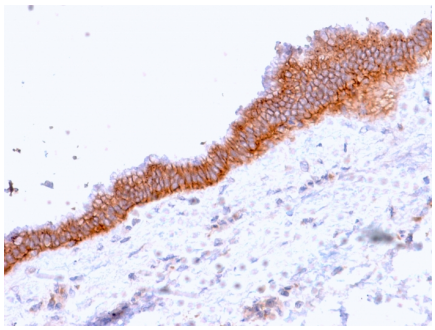
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

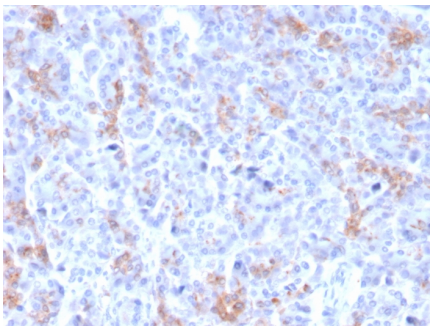
Clone	ABCC3/2971
Gene Name	ABCC3
Immunogen	Recombinant fragment (around aa 815-957) of human MRP3 (ABCC3) protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	169/137/55/32/65kDa
Cellular Localization	Basolateral cell membrane
Species Reactivity	Human
Positive Control	Pancreas.

**Optimal dilution for a specific application should be determined.*

Product Images for MRP3 (Multidrug Resistance-Associated Protein 3) Antibody



Formalin-fixed, paraffin-embedded human Pancreatic Carcinoma stained with MRP3 Mouse Monoclonal Antibody (ABCC3/2971).



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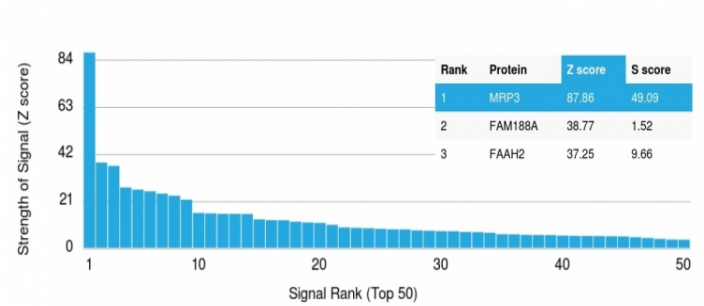
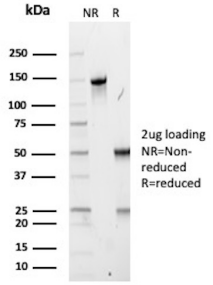
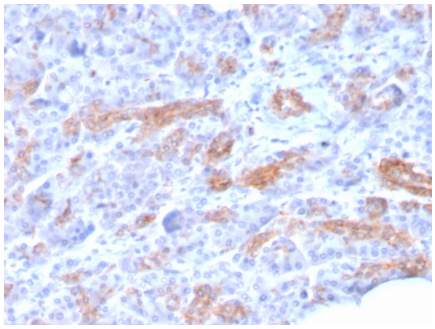


Analysis of Protein Array containing more than 19,000 full-length human proteinsusing MRP3 Mouse Monoclonal Antibody (ABCC3/2971). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified ATP-binding cassette sub-family C member 3 Mouse Monoclonal Antibody (ABCC3/2971). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Pancreatic Carcinoma stained with MRP3 Mouse Monoclonal Antibody (ABCC3/2971).

Specificity & Comments

The two members of the large family of ABC transporters known to confer multidrug resistance in human cancer cells are the MDR1 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 exp- ressed 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 medi- ates 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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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