

## ABCC4 / ATP Binding Cassette Subfamily C Member 4 (Drug Target) Antibody

Mouse Monoclonal Antibody [Clone ABCC4/9019]

Catalog No	Format	Size
10257-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
10257-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
10257-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

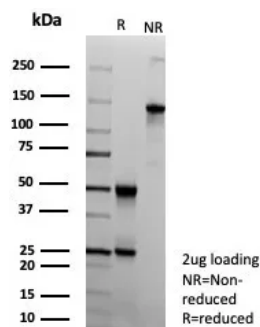
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

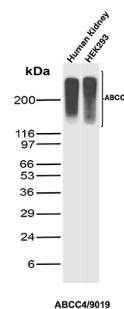
<b>Clone</b>	ABCC4/9019
<b>Gene Name</b>	ABCC4
<b>Immunogen</b>	Recombinant fragment (around aa1-200) of human ABCC4 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	150kDa
<b>Cellular Localization</b>	Membrane.
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	but is barely detectable in liver.  Widely expressed with particularly high levels in prostate.kidney, HEK293.

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

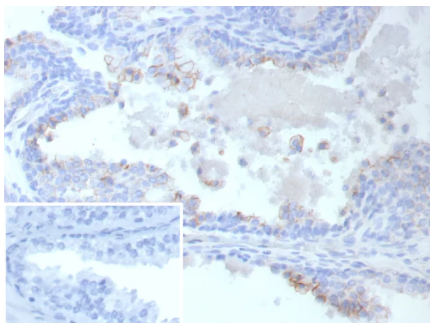
### Product Images for ABCC4 / ATP Binding Cassette Subfamily C Member 4 (Drug Target) Antibody



SDS-PAGE Analysis of Purified ABCC4 Mouse Monoclonal Antibody (ABCC4/9019). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human kidney and HEK293 lysates using ABCC4 Mouse Monoclonal Antibody (ABCC4/9019).



Formalin-fixed, paraffin-embedded human prostate cancer stained with ABCC4 Mouse Monoclonal Antibody (ABCC4/9019). Inset: PBS instead of primary antibody; secondary only negative control.

### Specificity & Comments

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 and MRP5 are detected in various tissues, yet at much lower levels of expression.

### 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.

### 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