

Product datasheet

Anti-MRP3 antibody [M3II-9] ab3375

★★★★☆ 3 Abreviews 3 References 1 Image

Overview

Product name	Anti-MRP3 antibody [M3II-9]
Description	Mouse monoclonal [M3II-9] to MRP3
Host species	Mouse
Specificity	This antibody does not cross react with MDR1, MRP1, MRP2 or MRP5 gene products
Tested applications	Suitable for: Flow Cyt, ICC, IHC-Fr, WB, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	<p>Fusion protein:</p> <p>SEMGYPALL QRNGSFANFL CNYAPDEDQG HLEDSTALE GAEDKEALLI EDTLSNHTD LTDNDPVTYV VQKQFMRQLS ALSSDGEGQG RPVPRRHGSPS EKVQVTEAKA DGALTQEEKA</p> <p>, corresponding to amino acids 830-949 of Human MRP3.</p> <p style="text-align: right;"> Run BLAST with Run BLAST with </p>
Epitope	This antibody detects with an internal epitope of the membrane transport protein of MRP3
Positive control	Cell lines: Drug sensitive parental cell lines and their multidrug resistant derivatives
General notes	The rat species was added as a result of positive Abreviews and publication PMID 22112382. In response to few recent complaints, we have decided to remove this species and no longer guarantee it. Please contact technical@abcam.com for any inquiry.


Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 0.7% BSA
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	M3II-9
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab3375** in the following tested applications.

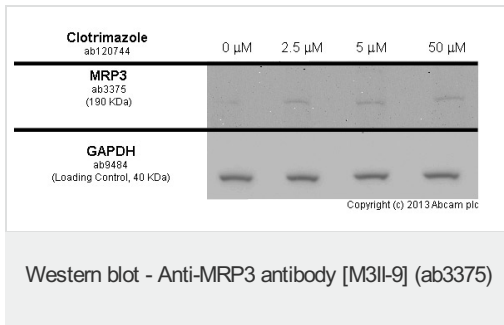
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC		1/20 - 1/50. Acetone or formaldehyde fixation is recommended for cytospin preparations.
IHC-Fr		1/20 - 1/40. Acetone fixation of sections is recommended.
WB		1/20 - 1/50. Detects a band of approximately 190 kDa.
IHC-P		Use at an assay dependent concentration. PubMed: 21878559

Target

Function	May act as an inducible transporter in the biliary and intestinal excretion of organic anions. Acts as an alternative route for the export of bile acids and glucuronides from cholestatic hepatocytes.
Tissue specificity	Mainly expressed in the liver. Also expressed in small intestine, colon, prostate, testis, brain and at a lower level in the kidney.
Sequence similarities	Belongs to the ABC transporter superfamily. ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily. Contains 2 ABC transmembrane type-1 domains. Contains 2 ABC transporter domains.
Cellular localization	Membrane.

Images



HepG2 cells were incubated at 37°C for 24h with vehicle control (0 μ M) and different concentrations of clotrimazole (ab120744) in DMSO. Increased expression of MRP3 (ab3375) correlates with an increase in clotrimazole concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 20 μ g of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 3% milk before being incubated with ab3375 at 1/50 dilution and ab9484 at 1 μ g /ml overnight at 4°C. Antibody binding was detected using an anti-mouse antibody conjugated to HRP (ab97040) at 1/10000 dilution and visualised using ECL development solution.

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