abcam

Product datasheet

Anti-MRP6/ARA antibody ab167564

1 Image

Overview

Product name	Anti-MRP6/ARA antibody
Description	Mouse polyclonal to MRP6/ARA
Host species	Mouse
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Full length protein corresponding to Human MRP6/ARA aa 1-99. Sequence: MAAPAEPCAGQGVWNQTEPEPAATSLLSLCFLRTAG VWVPPMYLWVLGPI YLLFIHHHGRGYLRMSPLFKAKMVAAIPGSLEPGNVRG RQGTGWNLVKS Database link: NP_001072996.1 Run BLAST with Run BLAST with
Positive control	MRP6/ARA transfected 293T cell lysate.
General notes	This product was previously labelled as MRP6

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 long term.
Storage buffer	pH: 7.20 Constituent: 99% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab167564** 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
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 11 kDa.

Target

Function

May participate directly in the active transport of drugs into subcellular organelles or influence drug distribution indirectly. Transports glutathione conjugates as leukotriene-c4 (LTC4) and N-ethylmaleimide S-glutathione (NEM-GS).

Tissue specificity

Expressed in kidney and liver. Very low expression in other tissues.

Involvement in disease

Defects in ABCC6 are the cause of pseudoxanthoma elasticum (PXE) [MIM:264800]. PXE is a disorder characterized by calcification of elastic fibers in skin, arteries and retina that results in dermal lesions with associated laxity and loss of elasticity, arterial insufficiency and retinal hemorrhages leading to macular degeneration. PXE is caused in the overwhelming majority of cases by homozygous or compound heterozygous mutations in the ABCC6 gene (autosomal recessive PXE). Individuals carrying heterozygous mutations express limited manifestations of the pseudoxanthoma elasticum phenotype (autosomal dominant PXE).

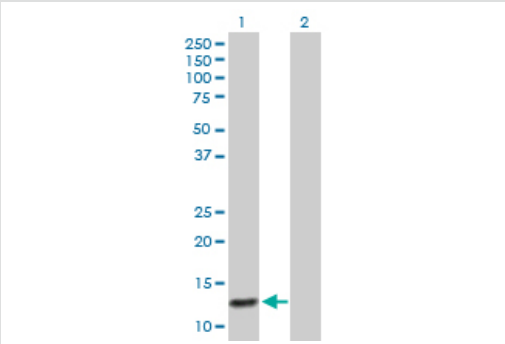
Sequence similarities

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. Localized to the basolateral membrane.

Images



Western blot - Anti-MRP6/ARA antibody (ab167564)

All lanes : Anti-MRP6/ARA antibody (ab167564) at 1 µg/ml

Lane 1 : MRP6/ARA transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell line

Lysates/proteins at 15 µl per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

Predicted band size: 11 kDa

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