abcam

Product datasheet

Anti-MRP6 antibody ab54826

1 References 1 Image

Overview

Product name	Anti-MRP6 antibody
Description	Mouse monoclonal to MRP6
Host species	Mouse
Tested applications	**Suitable for:** ELISA, WB
Species reactivity	**Reacts with:** Recombinant fragment **Predicted to work with:** Human
Immunogen	Recombinant fragment, corresponding to amino acids 831-931 of Human MRP6 with tag (NP_001162).
Positive control	Recombinant fragment of human MRP6.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Isotype	IgG
Light chain type	kappa

Applications

Our Abpromise guarantee covers the use of **ab54826** 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
ELISA		Use at an assay dependent dilution. Detection limit for recombinant tagged ABCC6 is approximately 0.03ng/ml if used as a capture antibody.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 37 kDa (predicted molecular weight: 164 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).

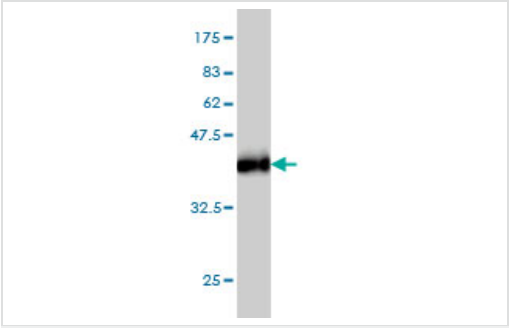
Tissue specificity
Expressed in kidney and liver. Very low expression in other tissues.

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 antibody (ab54826)

Anti-MRP6 antibody (ab54826) at 1/500 dilution + Recombinant fragment of human MRP6 at 0.2 µg

Secondary
Goat Anti-Mouse IgG (H&L)-HRP at 1/5000 dilution

Predicted band size: 164 kDa
Observed band size: 37 kDa

Western blot against tagged recombinant protein immunogen using ab54826 antibody at 1/500 dilution. Predicted band size of immunogen is 164kDa.

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