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ABCC12 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13196C

Product Information

Application	IHC-P, WB, E
Primary Accession	Q96J65
Other Accession	NP_150229.2
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32878
Calculated MW	152285
Antigen Region	723-752

Additional Information

Gene ID	94160
Other Names	Multidrug resistance-associated protein 9, ATP-binding cassette sub-family C member 12, ABCC12, MRP9
Target/Specificity	This ABCC12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 723-752 amino acids from the Central region of human ABCC12.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ABCC12 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ABCC12
Synonyms	MRP9
Function	Probable transporter, its substrate specificity is unknown.

Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00441}
Tissue Location	Expressed in testis (at protein level). Widely expressed at low level (PubMed:11483364, PubMed:11688999, PubMed:12011458, PubMed:17472575). Isoform 5 is specifically expressed in brain, testis and breast cancer cells (PubMed:11483364, PubMed:11688999, PubMed:12011458).

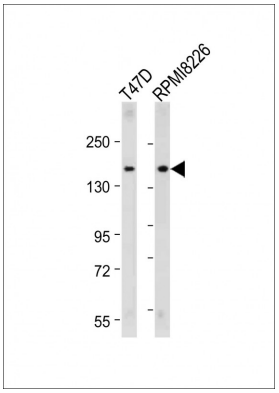
Background

This gene is a member of the superfamily of ATP-binding cassette (ABC) transporters and the encoded protein contains two ATP-binding domains and 12 transmembrane regions. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies: ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White. This gene is a member of the MRP subfamily which is involved in multi-drug resistance. This gene and another subfamily member are arranged head-to-tail on chromosome 16q12.1. Increased expression of this gene is associated with breast cancer.

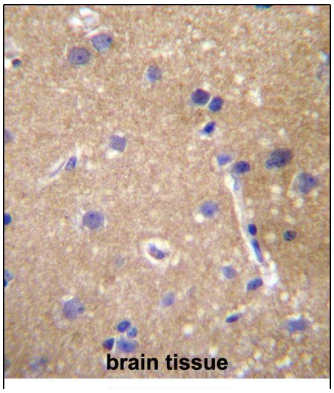
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Haimeur, A., et al. Curr. Drug Metab. 5(1):21-53(2004)
Bera, T.K., et al. Proc. Natl. Acad. Sci. U.S.A. 99(10):6997-7002(2002)
Yabuuchi, H., et al. Biochem. Biophys. Res. Commun. 288(4):933-939(2001)
Tammur, J., et al. Gene 273(1):89-96(2001)

Images



All lanes : Anti-ABCC12 Antibody (Center) at 1:2000 dilution Lane 1: T47D whole cell lysate Lane 2: RPMI8226 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 152 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ABCC12 Antibody (Center) (Cat. #AP13196c)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ABCC12 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.