



ABCA5 Monoclonal Antibody

Catalog No	YP-mAb-05348
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ABCA5 KIAA1888
Protein Name	ATP-binding cassette sub-family A member 5
Immunogen	Synthesized peptide derived from human protein . at AA range: 1240-1320
Specificity	ABCA5 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	180kD
Cell Pathway	Golgi apparatus membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Late endosome membrane ; Multi-pass membrane protein . Cell membrane . Localized at cell membrane under high cholesterol levels. .
Tissue Specificity	Ubiquitously expressed. Highly expressed in testis, skeletal muscle, kidney, liver and placenta. Expressed in both the epithelial and mesenchymal compartments, present within the outer root sheath (ORS) of the hair follicle as well as dermal sheath (PubMed:24831815). Expressed in multiple regions of the brain, including the hippocampus, superior frontal and inferior temporal cortices (PubMed:25125465). Strongly expressed in neurons and moderately in microglia, with only weak expression in astrocytes and oligodendrocytes (PubMed:25125465).
Function	developmental stage:Expressed in fetal liver, kidney and brain.,function:May play a role in the processing of autolysosomes.,PTM:N-glycosylated.,similarity:Belongs to the ABC transporter family.,similarity:Belongs to the ABC transporter family. ABCA subfamily.,similarity:Contains 2 ABC transporter domains.,tissue specificity:Ubiquitously expressed. Highly expressed in testis, skeletal muscle, kidney, liver and placenta.,

**Background**

The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. 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 encoded protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. This gene is clustered among 4 other ABC1 family members on 17q24, but neither the substrate nor the function of this gene is known. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images