

For Research Use Only

ABCA1 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 85434-3-PBS



Basic Information

Catalog Number: 85434-3-PBS	GenBank Accession Number: BC146856	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 19	CloneNo.: 261086C3
Isotype: IgG	UNIPROT ID: O95477	
Immunogen Catalog Number: AG37398	Full Name: ATP-binding cassette, sub-family A (ABC1), member 1	
	Observed MW: 250 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

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 (ABCA, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABCA subfamily. Members of the ABCA subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. With cholesterol as its substrate, this protein functions as a cholesterol efflux pump in the cellular lipid removal pathway.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

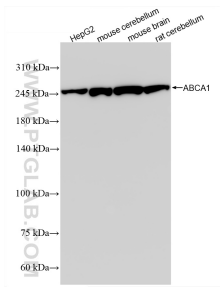
T: 4006900926

E: Proteintech-CN@ptglab.com

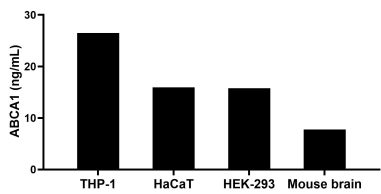
W: ptgcn.com

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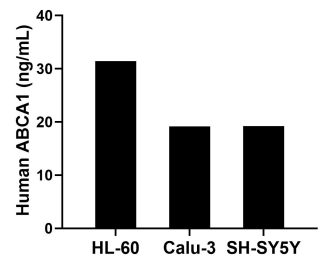
Selected Validation Data



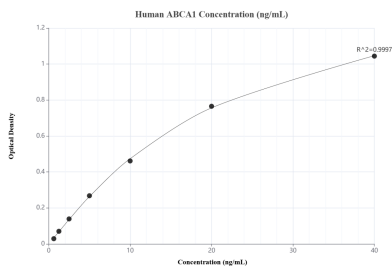
Various lysates were subjected to SDS PAGE followed by western blot with 85434-3-RR (ABCA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85434-3-PBS in a different storage buffer formulation.



The mean ABCA1 concentration was determined to be 26.47 ng/mL in THP-1 cell extract based on a 1.20 mg/mL extract load, 15.96 ng/mL in HaCaT cell extract based on a 1.20 mg/mL extract load, 15.79 ng/mL in HEK-293 cell extract based on a 1.20 mg/mL extract load and 7.79 ng/mL in mouse brain extract based on a 1.20 mg/mL extract load.



The mean ABCA1 concentration was determined to be 31.41 ng/mL in HL-60 cell extract based on a 1.20 mg/mL extract load, 19.14 ng/mL in Calu-3 cell extract based on a 1.20 mg/mL extract load and 19.22 ng/mL in SH-SY5Y cell extract based on a 1.20 mg/mL extract load.



Sandwich ELISA standard curve of MP01937-2, Human ABCA1 Recombinant Matched Antibody Pair - PBS only. 85434-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag37398. 85434-3-PBS was HRP conjugated as the detection antibody. Range: 0.625-40 ng/mL.