

ABCA2 Polyclonal antibody

Catalog Number: 20681-1-AP

Basic Information

Catalog Number: 20681-1-AP	GenBank Accession Number: NM_001606	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 20	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9BZC7	IHC 1:50-1:500
Isotype: IgG	Full Name: ATP-binding cassette, sub-family A (ABC1), member 2	IF/ICC 1:20-1:200
	Calculated MW: 270 kDa	
	Observed MW: 270 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse thymus tissue, HepG2 cells, L02 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue,
	IF/ICC : HepG2 cells,

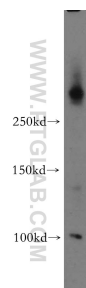
Background Information

ABCA2, also named as ABC2 and KIAA1062, belongs to the ABC transporter ABCA2, a member of the ATP-binding cassette (ABC) transporter family, is primarily expressed in brain and is involved in brain sterol homeostasis and associated with early onset Alzheimer's disease. ABCA2 is mainly localized in endosomes and lysosomes of oligodendrocytes and Schwann cells. It has also be reported as a marker of neural progenitor in the adult rodent brain. (PMID: 16539677)

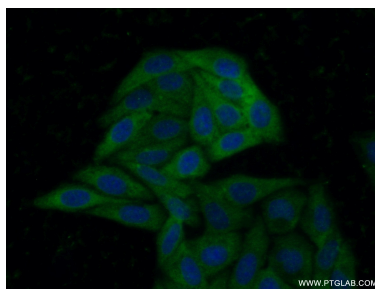
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

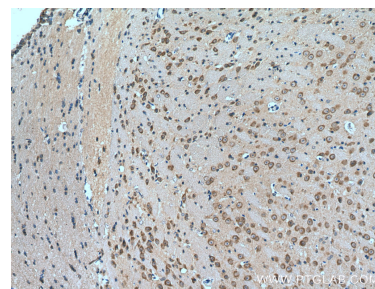
Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 20681-1-AP (ABCA2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 20681-1-AP (ABCA2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20681-1-AP (ABCA2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).