

For Research Use Only

# ABCA2 Polyclonal antibody

Catalog Number:20681-1-AP



## Basic Information

<b>Catalog Number:</b> 20681-1-AP	<b>GenBank Accession Number:</b> NM_001606	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 20	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BZC7	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATP-binding cassette, sub-family A (ABC1), member 2	
	<b>Calculated MW:</b> 270 kDa	
	<b>Observed MW:</b> 270 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** mouse thymus tissue, HepG2 cells, L02 cells

**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 been 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**

**\*\*\* 20ul sizes contain 0.1% BSA**

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

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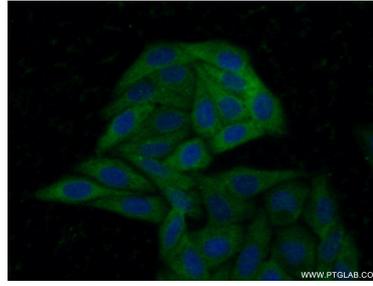
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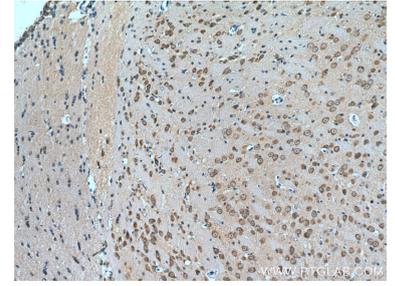
## Selected Validation Data



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 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).