

# Anti-CD243 Antibody

Catalog # AP54055

## Product Information

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Application	WB
Primary Accession	<a href="#">P08183</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	141479

## Additional Information

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Gene ID	5243
Other Names	MDR1; PGY1; Multidrug resistance protein 1; ATP-binding cassette sub-family B member 1; P-glycoprotein 1; CD243
Target/Specificity	Recognizes endogenous levels of CD243 protein.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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Name	ABCB1 ( <a href="#">HGNC:40</a> )
Synonyms	MDR1, PGY1
Function	Translocates drugs and phospholipids across the membrane (PubMed: <a href="#">2897240</a> , PubMed: <a href="#">35970996</a> , PubMed: <a href="#">8898203</a> , PubMed: <a href="#">9038218</a> , PubMed: <a href="#">35507548</a> ). Catalyzes the flop of phospholipids from the cytoplasmic to the exoplasmic leaflet of the apical membrane. Participates mainly to the flop of phosphatidylcholine, phosphatidylethanolamine, beta-D-glucosylceramides and sphingomyelins (PubMed: <a href="#">8898203</a> ). Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells (PubMed: <a href="#">2897240</a> , PubMed: <a href="#">35970996</a> , PubMed: <a href="#">9038218</a> ).
Cellular Location	Cell membrane; Multi-pass membrane protein {ECO:0000255 PROSITE-ProRule:PRU00441} Apical cell membrane. Cytoplasm Note=ABCB1 localization is influenced by C1orf115 expression levels (plasma membrane versus cytoplasm). Localized to the apical membrane of

enterocytes (PubMed:28408210).

## Tissue Location

Expressed in small intestine (PubMed:28408210). Expressed in liver, kidney and brain.

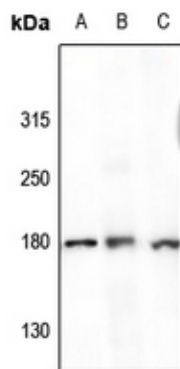
## Background

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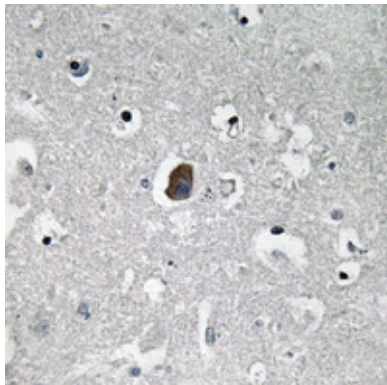
Rabbit polyclonal antibody to CD243

## Images

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Western blot analysis of CD243 expression in C6 (A), DLD (B), BV2 (C) whole cell lysates.



Immunohistochemical analysis of CD243 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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