

ABCG2 Ab

Cat.#: AF5177
Size: 100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 72 kDa
Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	ABCG2 Ab detects endogenous levels of total ABCG2.
Immunogen:	A synthesized peptide derived from human ABCG2, corresponding to a region within the internal amino acids.
Uniprot:	Q9UNQ0
Description:	High-capacity urate exporter functioning in both renal and extrarenal urate excretion. Plays a role in porphyrin homeostasis as it is able to mediate the export of protoporphyrin IX (PPIX) both from mitochondria to cytosol and from cytosol to extracellular space, and cellular export of hemein, and heme. Xenobiotic transporter that may play an important role in the exclusion of xenobiotics from the brain.
Subcellular Location:	Cell membrane.
Tissue Specificity:	Highly expressed in placenta. Low expression in small intestine, liver and colon.
Similarity:	The extracellular loop 3 (ECL3) is involved in binding porphyrins and transfer them to other carriers, probably albumin. Belongs to the ABC transporter superfamily. ABCG family. Eye pigment precursor importer (TC 3.A.1.204) subfamily. [View classification]
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis of ABCG2 expression in HT-29 cells, The lane on the left was treated with the antigen-specific peptide.



AF5177 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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