

Anti-ABCB5 Reference Antibody (Brigham and Women's patent anti-ABCB5)

Recombinant Antibody
Catalog # APR10762

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q2M3G0
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	138641

Additional Information

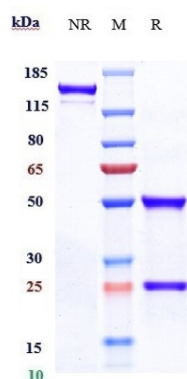
Target/Specificity	ABCB5
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Protein Information

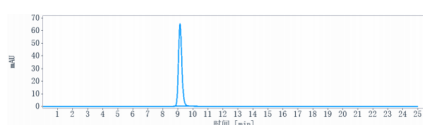
Name	ABCB5 (HGNC:46)
Function	Energy-dependent efflux transporter responsible for decreased drug accumulation in multidrug-resistant cells (PubMed: 12960149 , PubMed: 15205344 , PubMed: 15899824 , PubMed: 22306008). Specifically present in limbal stem cells, where it plays a key role in corneal development and repair (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein {ECO:0000255 PROSITE-ProRule:PRU00441, ECO:0000269 PubMed:12960149}
Tissue Location	Expressed by CD133-expressing progenitor cells among epidermal melanocytes (at protein level). Widely expressed with specific expression in pigment cells. Highly expressed in several malignant tissues: highly expressed in clinical melanomas, with low expression in normal skin. In melanoma, marks malignant melanoma- initiating cells (MMIC), in which clinical virulence resides as a consequence of unlimited self-renewal capacity, resulting in inexorable tumor progression and metastasis. Also highly expressed in a

number of leukemia cells. Expressed in basal limbal epithelium

Images



Anti-ABCB5 Reference Antibody (Brigham and Women's patent anti-ABCB5) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-ABCB5 Reference Antibody (Brigham and Women's patent anti-ABCB5) is more than 95% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.