

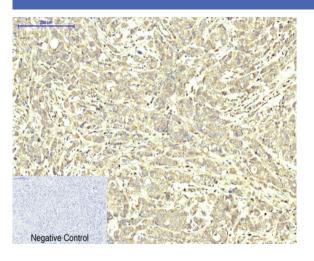
ABCB5 Monoclonal Antibody(11A2)

Catalog No :	YM3074
Reactivity :	Human
Applications :	WB;IHC;IF;
Target :	ABCB5
Fields :	>>ABC transporters
Gene Name :	ABCB5
Protein Name :	ATP-binding cassette sub-family B member 5
Human Gene Id :	340273
framan dene id .	
Human Swiss Prot	Q2M3G0
No : Immunogen :	Synthetic Peptide of ABCB5
Specificity :	The antibody detects endogenous ABCB5 proteins.
Formulation :	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source :	Monoclonal, Mouse
Dilution :	WB 1:2000 IF 1:200 IHC 1:50-300
Purification :	The antibody was affinity-purified from mouse ascites by affinity- chromatography using specific immunogen.
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	90kD
Cell Pathway :	ABC transporters;



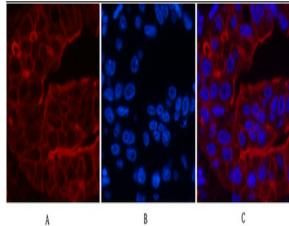
Background :	ABCB5 belongs to the ATP-binding cassette (ABC) transporter superfamily of integral membrane proteins. These proteins participate in ATP-dependent transmembrane transport of structurally diverse molecules ranging from small ions, sugars, and peptides to more complex organic molecules (Chen et al., 2005 [PubMed 15760339]).[supplied by OMIM, Mar 2008],
Function :	caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,caution:Was named ABCB1 by some authors.,function:Plasma membrane transporter able to mediate efflux from cells of the rhodamine dye and of the therapeutic drug doxorubicin. Responsible for the resistance to doxorubicin of a subset of malignant melanomas.,miscellaneous:Depletion of ABCB5 by RNAi increases the sensitivity to several drugs of a subset of melanoma cells.,similarity:Belongs to the ABC transporter family.,similarity:Belongs to the ABC transporter family. Multidrug resistance exporter (TC 3.A.1.201) subfamily.,similarity:Contains 1 ABC transmembrane type-1 domain.,similarity:Contains 1 RRM (RNA recognition motif) domain.,similarity:Contains 2 ABC transporter domains.,subunit:Component of the U11/U12 snRNPs that are part of the U12-type spliceosom
Subcellular	Cell membrane ; Multi-pass membrane protein .
Location :	
Expression :	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.

Products Images



Immunohistochemical analysis of paraffin-embedded Humanbreast-cancer tissue. 1,ABCB5 Monoclonal Antibody(11A2) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.





Immunofluorescence analysis of Human-liver-cancer tissue. 1,ABCB5 Monoclonal Antibody(11A2)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

1 2 250КО------170КО------

1.30KD 35KD

2210

5.5KD ----

Western blot analysis of 1) Hela, 2) 293T, diluted at 1:2000. cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).