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**Product Name: ABCB5 (8D2) Mouse Monoclonal Antibody****Catalog #: AMM03695**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 139 kDa; Observed MW: 90 kDa

**Antigen Information**

<b>Gene Name</b>	ABCB5
<b>Alternative Names</b>	ABCB5 P-gp; ATP binding cassette sub family B (MDR/TAP) member 5; P glycoprotein ABCB5
<b>Gene ID</b>	340273
<b>SwissProt ID</b>	Q2M3G0
<b>Immunogen</b>	

**Background**

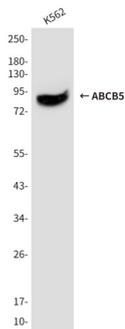
Drug efflux transporter present in a number of stem cells that acts as a regulator of cellular differentiation. Able to mediate efflux from cells of the rhodamine dye and of the therapeutic drug doxorubicin. Specifically present in limbal stem cells, where

it plays a key role in corneal development and repair.

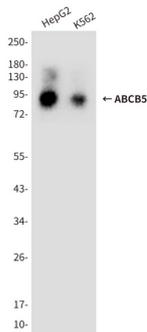
## Research Area

Signal Transduction

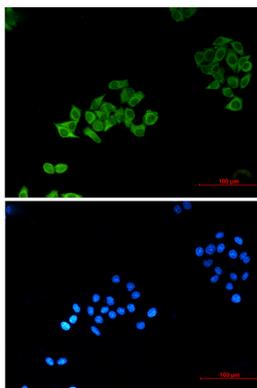
## Image Data



Western blot analysis of ABCB5 in K562 lysates using ABCB5 antibody.



Western blot analysis of ABCB5 (8D2) in HepG2, K562 lysates using ABCB5 (8D2) antibody.



Immunocytochemistry analysis of ABCB5 (8D2) (green) in Hela using ABCB5 (8D2) antibody, and DAPI (blue)