

## ARG66172 anti-ABCB5 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes ABCB5
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	The antibody detects endogenous ABCB5 proteins.
Host	Mouse
Clonality	Monoclonal
Clone	11A2
Target Name	ABCB5
Species	Human
Immunogen	Synthetic peptide of Human ABCB5.
Conjugation	Un-conjugated
Alternate Names	ATP-binding cassette sub-family B member 5; ABCB5 P-gp; P-glycoprotein ABCB5; ABCB5beta; EST422562; ABCB5alpha

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:300
	WB	1:2000
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

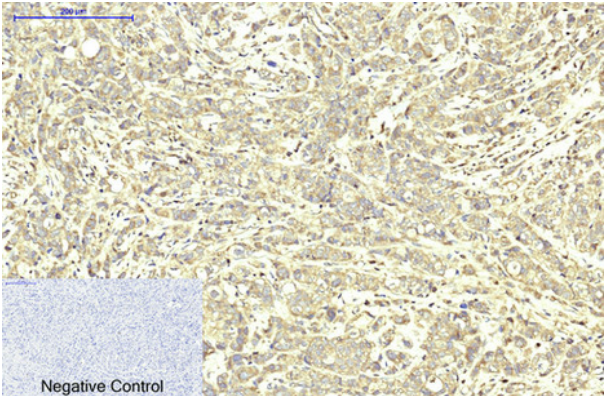
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ABCB5
Gene Full Name	ATP-binding cassette, sub-family B (MDR/TAP), member 5
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	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. [UniProt]
Calculated Mw	139 kDa

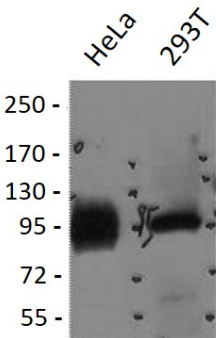
Images



**ARG66172 anti-ABCB5 antibody IHC-P image**

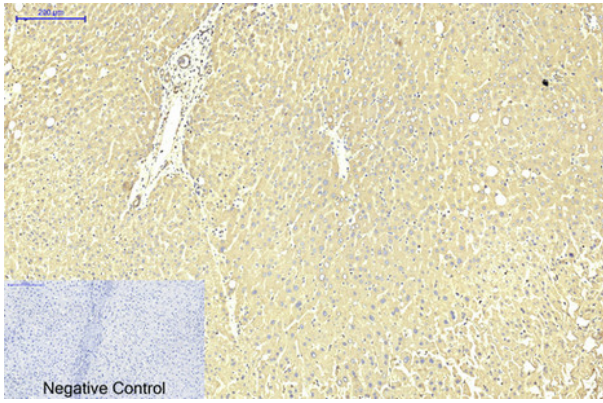
Immunohistochemistry: Paraffin-embedded Human breast cancer tissue stained with ARG66172 anti-ABCB5 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

Negative control was used by secondary antibody only.



**ARG66172 anti-ABCB5 antibody WB image**

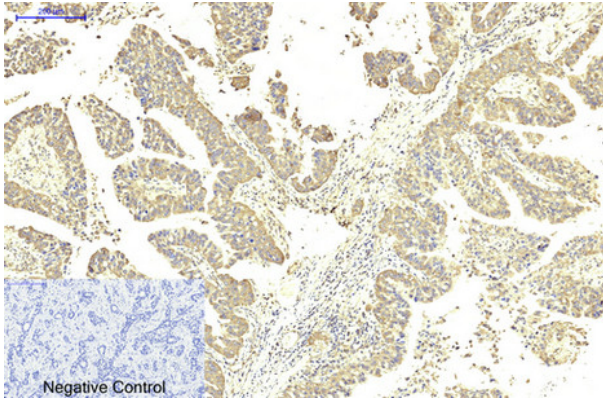
Western blot: 1) HeLa, and 2) 293T cell lysates stained with ARG66172 anti-ABCB5 antibody at 1:2000 dilution.



#### ARG66172 anti-ABCB5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue stained with ARG66172 anti-ABCB5 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

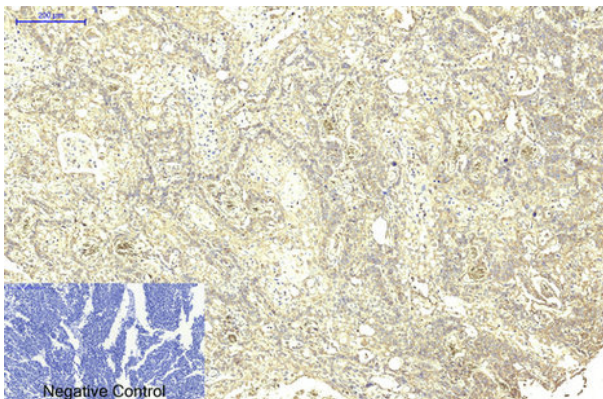
Negative control was used by secondary antibody only.



#### ARG66172 anti-ABCB5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer tissue stained with ARG66172 anti-ABCB5 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

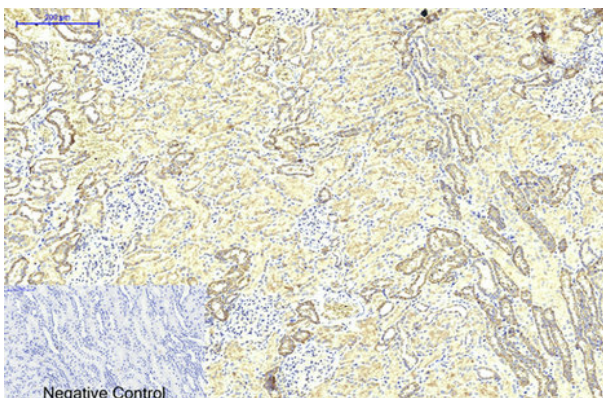
Negative control was used by secondary antibody only.



#### ARG66172 anti-ABCB5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG66172 anti-ABCB5 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

Negative control was used by secondary antibody only.

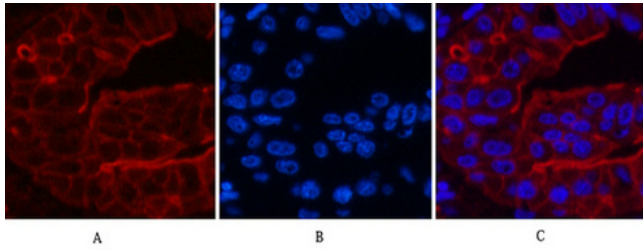


#### ARG66172 anti-ABCB5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue stained with ARG66172 anti-ABCB5 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

Negative control was used by secondary antibody only.



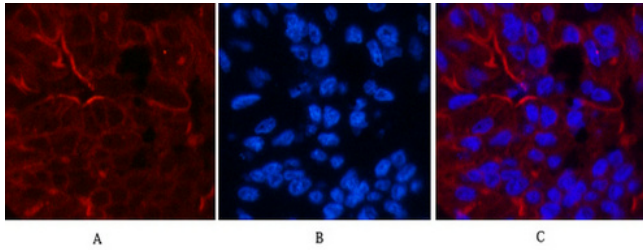


ARG66172 anti-ABCB5 antibody IHC image

Immunohistochemistry: Human liver cancer tissue stained with ARG66172 anti-ABCB5 antibody (red) at 1:200 dilution (4°C, overnight).

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

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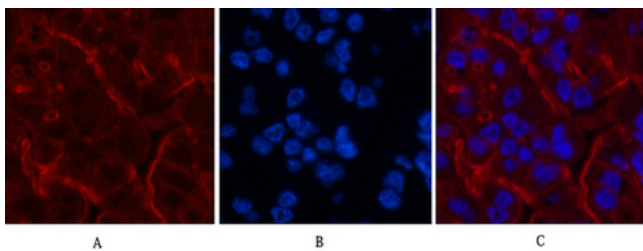


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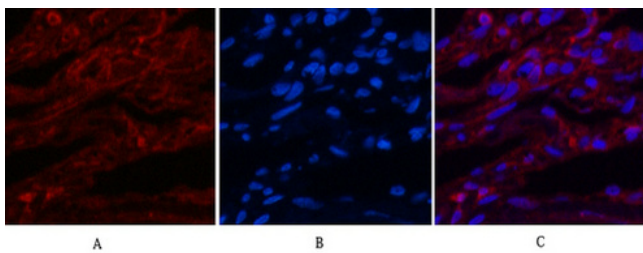


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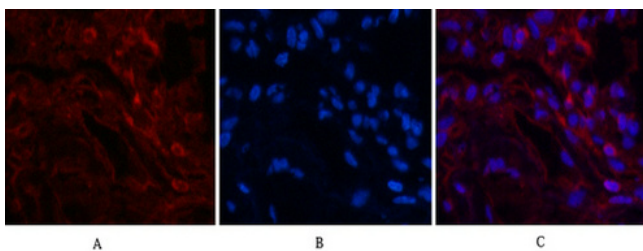


ARG66172 anti-ABCB5 antibody IHC image

Immunohistochemistry: Human lung tissue stained with ARG66172 anti-ABCB5 antibody (red) at 1:200 dilution (4°C, overnight).

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

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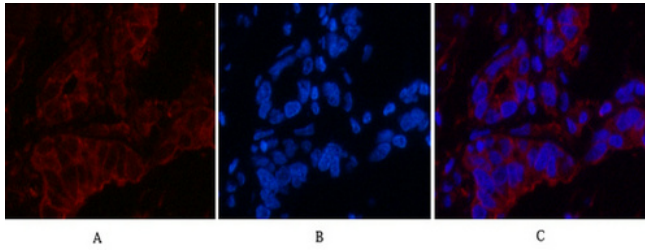


ARG66172 anti-ABCB5 antibody IHC image

Immunohistochemistry: Human lung tissue stained with ARG66172 anti-ABCB5 antibody (red) at 1:200 dilution (4°C, overnight).

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

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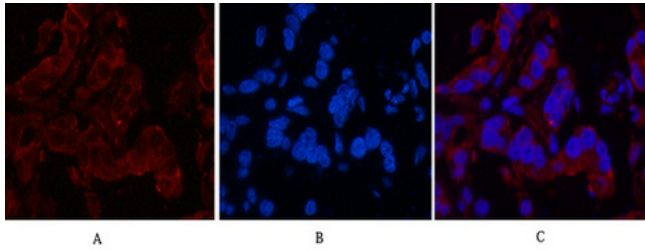


ARG66172 anti-ABCB5 antibody IHC image

Immunohistochemistry: Human stomach cancer tissue stained with ARG66172 anti-ABCB5 antibody (red) at 1:200 dilution (4°C, overnight).

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

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ARG66172 anti-ABCB5 antibody IHC image

Immunohistochemistry: Human stomach cancer tissue stained with ARG66172 anti-ABCB5 antibody (red) at 1:200 dilution (4°C, overnight).

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

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