

## 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
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.

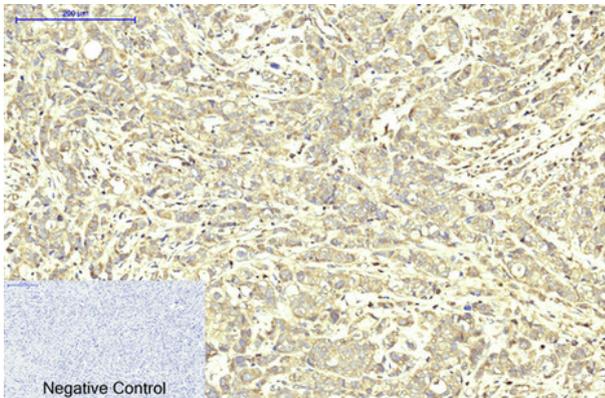
### Properties

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

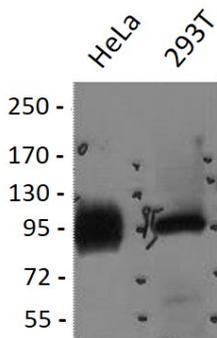
## Images



ARG66172 anti-ABCB5 antibody IHC-P image

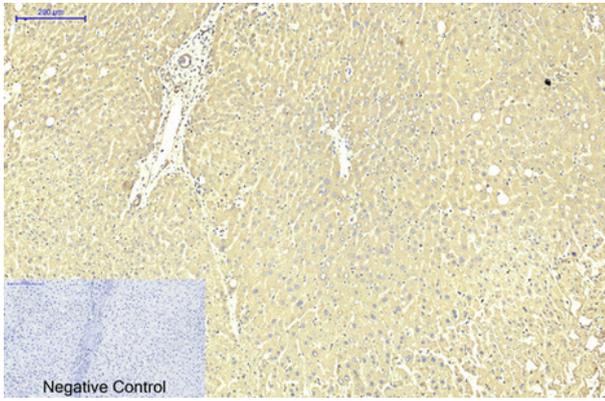
Immunohistochemistry: Paraffin-embedded Human breast cancer tissue stained with ARG66172 anti-ABCB5 antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

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.

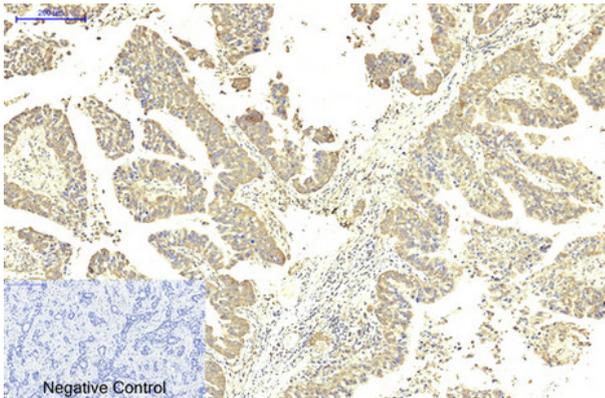


#### ARG66172 anti-ABCB5 antibody IHC-P image

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.

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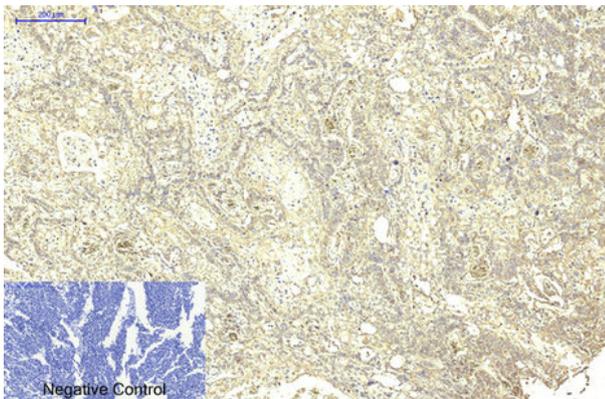


#### ARG66172 anti-ABCB5 antibody IHC-P image

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.

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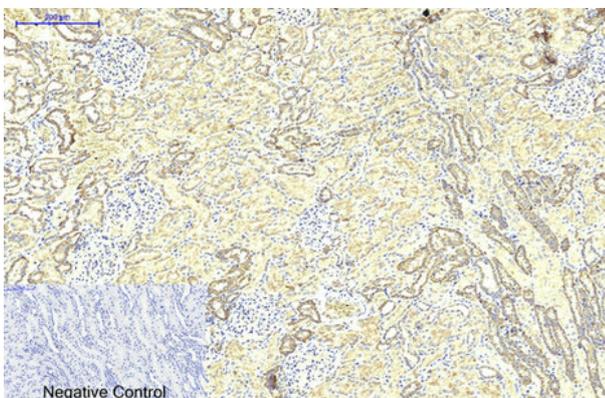


#### ARG66172 anti-ABCB5 antibody IHC-P image

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.

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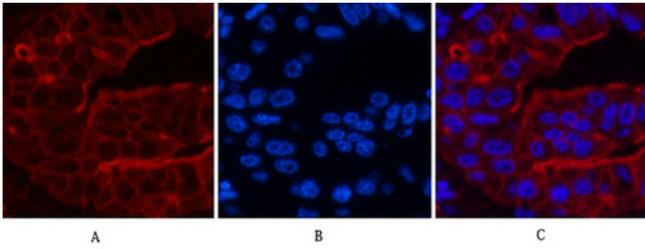


#### ARG66172 anti-ABCB5 antibody IHC-P image

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.

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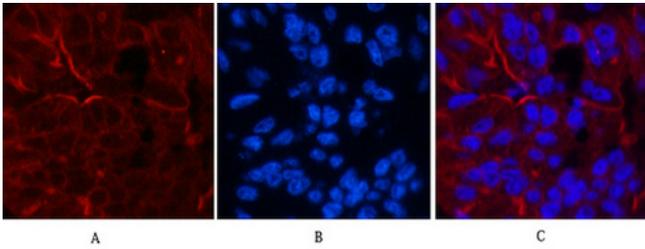


**ARG66172 anti-ABCB5 antibody IHC image**

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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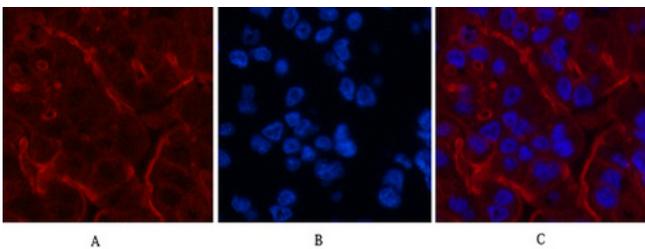


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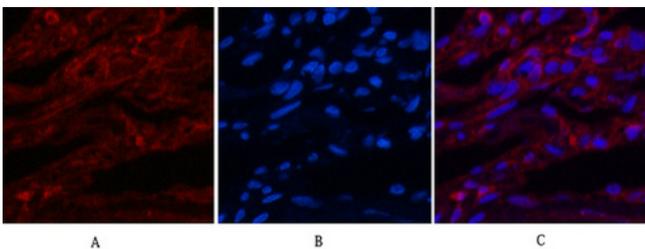


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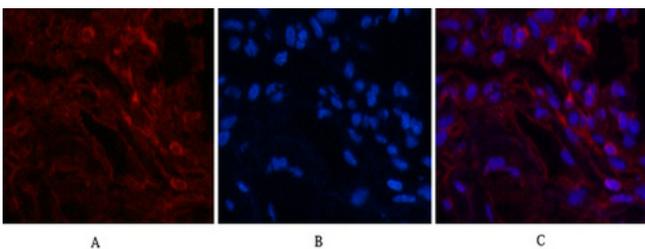


**ARG66172 anti-ABCB5 antibody IHC image**

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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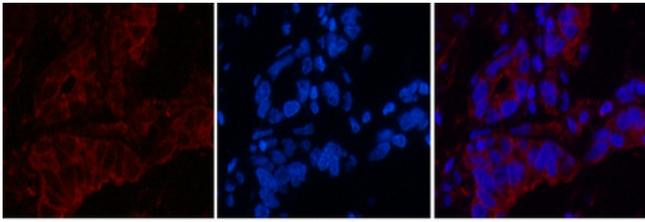


**ARG66172 anti-ABCB5 antibody IHC image**

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.

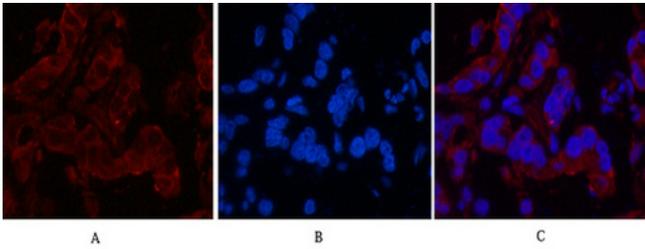
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#### ARG66172 anti-ABCB5 antibody IHC image

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.



#### 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.