

Datasheet for ABIN349592

anti-ABCB5 antibody (Internal Region)



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	ABCB5
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	ABCB5 Antibody
Immunogen:	Immunogen: ABCB5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to residues corresponding to an internal region of human ABCB5. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	This antibody is specific for human ABCB5 protein.
Characteristics:	Synonyms: rabbit anti-ABCB5 Antibody, ABCB 5, ABCB-5, ATP binding cassette sub family B (MDR/TAP) member 5 antibody, ATP binding cassette sub family B member 5 antibody, EST422562 antibody, P glycoprotein ABCB5 antibody
Purification:	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography.

Product Details

Sterility: Sterile filtered

Target Details

Target: ABCB5

Alternative Name: ABCB5 ([ABCB5 Products](#))

Background: Background: This antibody is designed, produced, and validated as part of a collaboration with the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. Anti-ABCB5 Antibody is a ATP-Binding Cassette protein. ABCB5 is a novel member of the human P-glycoprotein family. It functions as a determinant of membrane potential and regulator of cell fusion in physiologic skin progenitor cells. Cell fusion is thought to contribute to tissue differentiation. ABCB5 is predominantly expressed in melanoma cells and is a novel molecular marker for a distinct subset of chemoresistant stem cell phenotype-expressing tumor cells among human epidermal melanocytes. ABCB5 is a rhodamine efflux transporter. This antibody product is intended to be used to confirm cellular localization and expression level of ABCB5. ABCB5 antibody is ideal for Cancer and Signal Transduction research.

Gene ID: 340273, 56849536

UniProt: [Q2M3G0](#)

Application Details

Application Notes: Immunohistochemistry Dilution: 1:200
Application Note: This affinity purified ABCB5 antibody has been tested for use in ELISA, IHC, and western blotting. Specific conditions for reactivity should be optimized by the end user.
Western Blot Dilution: 1:20,000
ELISA Dilution: 1:10,000 - 1:50,000
Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

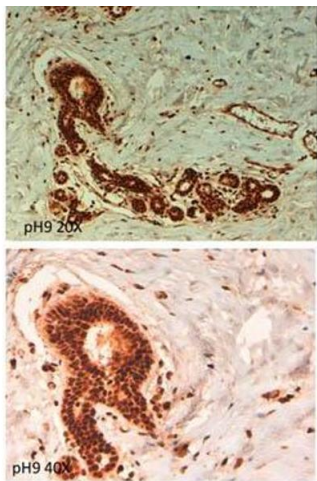
Concentration: 1.29 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling

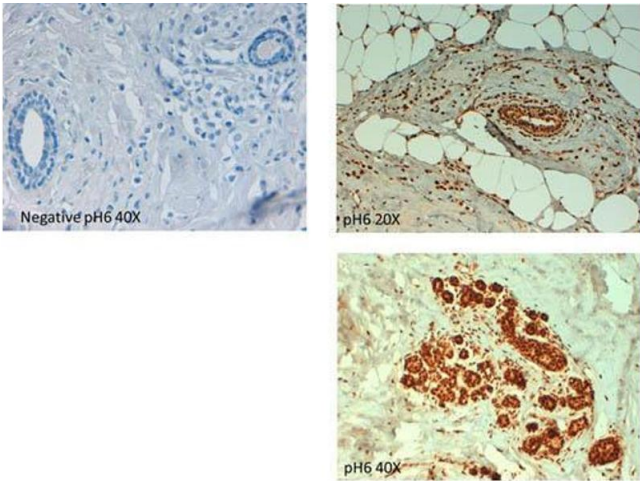
	Stabilizer: None
	Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store Anti-ABCB5 at -20° C prior to opening. Aliquot antibody and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



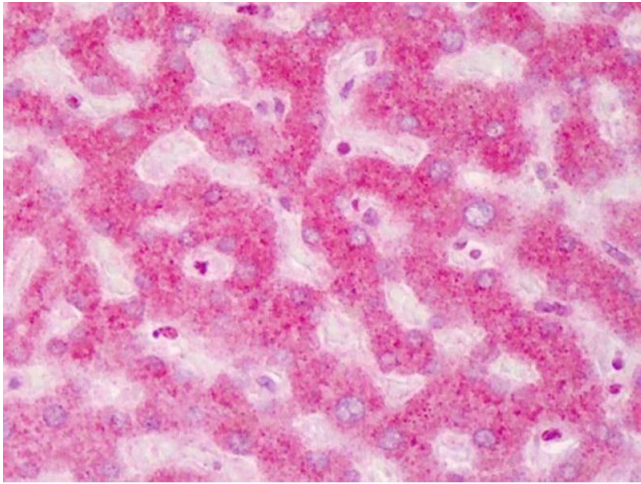
Immunohistochemistry

Image 1. Immunohistochemistry of Rabbit anti ABCB5 antibody. Tissue: human breast carcinoma at pH9. Fixation: formalin fixed paraffin embedded. Primary antibody: ABCB5 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ABCB5 is cytoplasmic. Staining: ABCB5 as precipitated brown signal.



Immunohistochemistry

Image 2. Immunohistochemistry of Rabbit anti ABCB5 antibody. Tissue: human breast carcinoma at pH6. Fixation: formalin fixed paraffin embedded. Primary antibody: ABCB5 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ABCB5 is cytoplasmic. Staining: ABCB5 as precipitated brown signal with hematoxylin purple nuclear counterstain.



Immunohistochemistry

Image 3. Immunohistochemistry of ABCB5 antibody Tissue: human liver Fixation: formalin fixed paraffin embedded Antigen retrieval: user optimized Primary antibody: ABCB5 1:200 Secondary antibody: Peroxidase goat anti-rabbit at 1:10,000 for 45 min at RT Localization: Moderate to strong cytoplasmic and membranous staining was observed in hepatocytes. Occasional nuclear staining was observed in hepatocytes and sinusoidal cells. Staining: antibody as precipitated red signal with a hematoxylin purple nuclear counterstain

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN349592.