

## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08211 - Goat Anti-ABCB5 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ATP-binding cassette, sub-family B (MDR/TAP), member 5, ABCB5alpha, ABCB5beta, EST422562, ATP-binding cassette, sub-family B, member 5N: P-glycoprotein ABCB5

**Official Symbol:** ABCB5

**Accession Number(s):** NP\_848654.3; NP\_001157413.1

**Human GeneID(s):** [340273](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_848654.3; NP\_001157413.1)

### Immunogen

Peptide with sequence C-QTQHRNTSKKAQ, from the internal region of the protein sequence according to NP\_848654.3; NP\_001157413.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 80kDa band observed in lysates of cell line A431 (calculated MW of 89.8kDa according to NP\_848654.3). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

**Flow Cytometry:** Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human

### Specific References

**This antibody has been successfully used in Flow Cytometry on Mouse:**

Louise Gerard, Jean-Pierre Gillet

The uniqueness of ABCB5 as a full transporter ABCB5FL and a half-transporter-like ABCB5β

Cancer Drug Resist. 2024 Aug 7:7:29.

PMID: 39267923

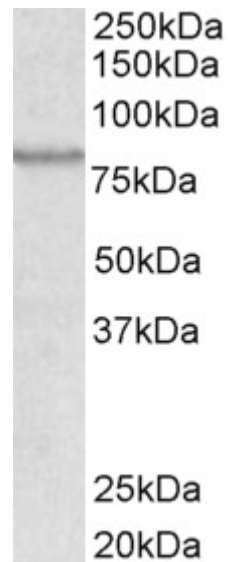
**This antibody (previous batch) has been successfully used in Flow Cytometry on Human:**

Cheung ST, Cheung PF, Cheng CK, Wong NC, Fan ST.

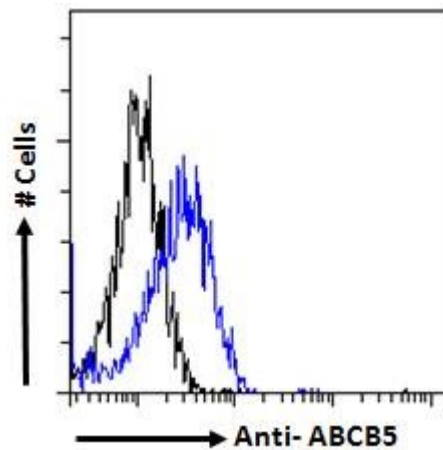
Granulin-epithelin precursor and ATP-dependent binding cassette (ABC)B5 regulate liver cancer cell chemoresistance.

Gastroenterology. 2011 Jan;140(1):344-55.

PMID: 20682318



EB08211 (0.3 $\mu$ g/ml) staining of lysates of cell line A431 (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (1 $\mu$ g/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.