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**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

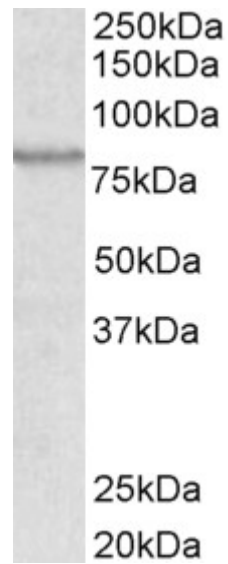
This antibody (previous batch) has been successfully used in Flow Cytometry on Human:

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

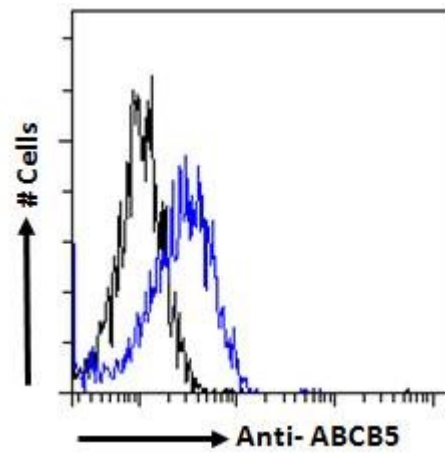
Granulin-epithelin precursor and ATP-dependent binding cassette (ABC)B5 regulate liver cancer cell chemoresistance.

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

PMID: 20682318



EB08211 (0.3 μ g/ml) staining of lysates of cell line A431 (35 μ 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 μ g/ml) followed by Alexa Fluor 488 secondary antibody (1 μ g/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.