



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti-ABCB5

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0069

Accession Number
NP_848654.3; NP_001157413.1

Target Protein

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

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.

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 1:128000.

Western blot: Approx 80kDa band observed in lysates of A431 (calculated MW of 89.8kDa according to NP_848654.3). Recommended concentration: 0.03-0.1µg/ml.

Flow cytometry: This antibody has been successfully used in FC for Hep3B cells as described in the following paper: Cheung et al, Gastroenterology. 2011 Jan;140(1):344-55, PMID: 20682318.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Specific Reference

This antibody has been successfully used in the following papers:

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

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

Image



ER-14-0069 (0.03 μ g/ml) staining of A431 cell lysate (35 μ g protein in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.

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