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Research Use Only. Not for diagnostic or therapeutic use.

EB08740 - Goat Anti-ABCG1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ABCG1, ATP-binding cassette, sub-family G (WHITE), member 1, ABC8, MGC34313, WHITE1, ABC transporter 8, ATP-binding cassette sub-family G member 1, ATP-binding cassette transporter 8, ATP-binding cassette transporter member 1 of subfamily G, homolog of Drosophila white, white protein homolog (ATP-binding cassette transporter 8)

Official Symbol: ABCG1

Accession Number(s): NP_058198.2; NP_997057.1; NP_004906.3; NP_997510.1;

NP_997511.1; NP_997512.1 **Human GenelD(s):** 9619

Important Comments: This antibody is expected to recognize all reported isoforms (NP_058198.2; NP_997057.1; NP_004906.3; NP_997510.1; NP_997511.1; NP_997512.1).

Immunogen

Peptide with sequence C-YFVLRYKIRAER, from the C Terminus of the protein sequence according to NP_058198.2; NP_997057.1; NP_004906.3; NP_997510.1; NP_997511.1; NP_997512.1.

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 1:4000.

Western blot: Approx. 75kDa band observed in lysates of cell lines HepG2, U937, THP-1, Jurkat and RAW264.7 (calculated MW of 74.2kDa according to Human NP_058198.2 and 74.1kDa according to Mouse NP_033723.1). Recommended concentration: 1-3μg/ml. Primary incubation 1 hour at room temperature.

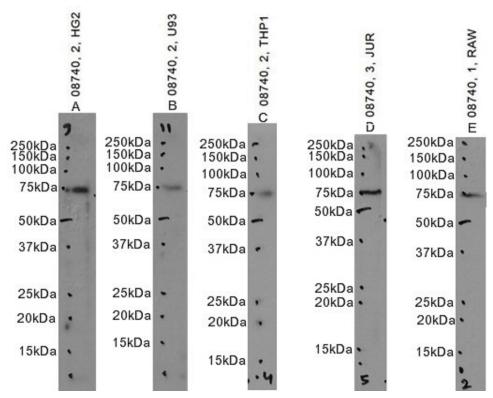
IHC: Paraffin embedded Human Testis. Recommended concentration: 5µg/ml.

Flow Cytometry: Flow cytometric analysis of THP-1 cells. Recommended concentration: 10ug/ml.

Species Reactivity

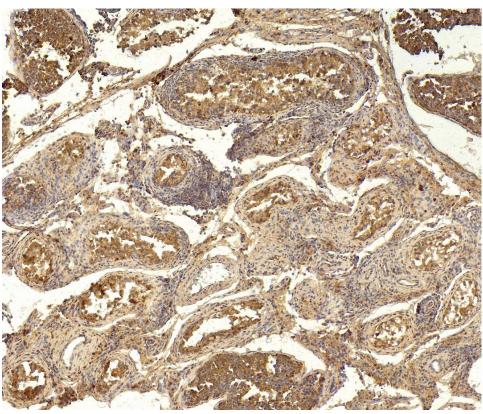
Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog

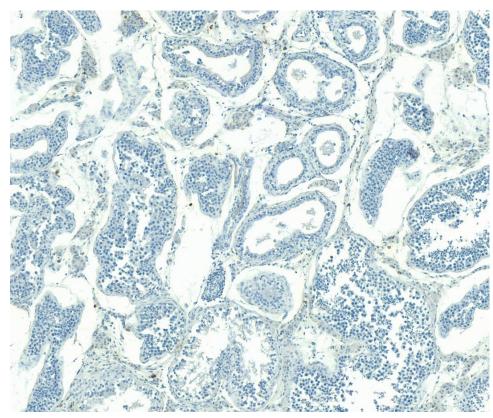


EB08740 optimised QC. Primary incubation 1 hour at room temperature.

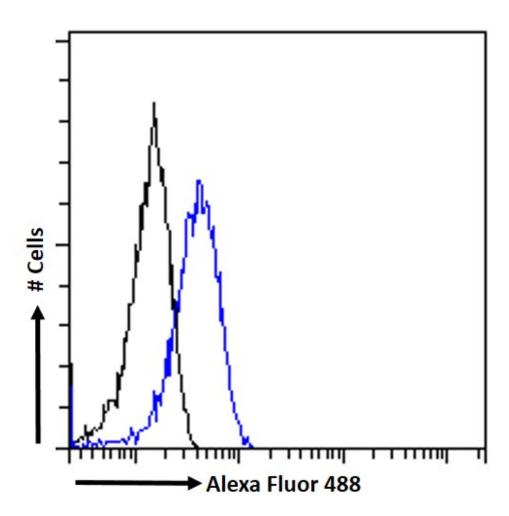
Images A, B, C: HepG2, U937, THP1 cell lysate at primary Ab concentration 2ug/ml. Images D, E: Jurkat, RAW264.7 cell lysate at primary Ab concentration 1ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB08740 (5µg/ml) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB08740 Negative Control showing staining of paraffin embedded Human Testis, with no primary antibody.



EB08740 Flow cytometric analysis of paraformaldehyde fixed THP1 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488® conjugated secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.