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Research Use Only. Not for diagnostic or therapeutic use.

EB10078 - Goat Anti-RDH5 (aa 19-31) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 11-cis RDH, 9-cis-retinol specific dehydrogenase, FLJ39337, FLJ97089, HSD17B9, RDH1, retinol dehydrogenase 1, retinol dehydrogenase 5 (11-cis

and 9-cis), retinol dehydrogenase 5 (11-cis/9-cis), SDR9C5, short chain

dehydrogenase/reductase family 9C,, RDH5

Official Symbol: RDH5

Accession Number(s): NP_002896.2

Human GeneID(s): 5959

Non-Human GenelD(s): 19682 (mouse)

Immunogen

Peptide with sequence C-RDRQSLPASNAFV, from the internal region of the protein sequence according to NP_002896.2.

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 1:8000.

Western blot: Preliminary testing showed a band at approx..32kDa in Human Heart and approx. 35kDa in Human Breast lysate, after 0.3ug/ml antibody staining. (calculated MW of 35.0kDa according to NP_002896.2). Primary incubation 1 hour at room temperature. **IHC:** In paraffin embedded Human Retina shows staining of the Ganglion Cell Layer.

Recommended concentration: 5-10µg/ml.

Immunofluorescence: Strong expression of the protein seen in U2OS cells.

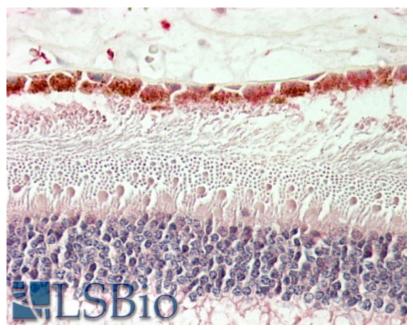
Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of U2OS cells. Recommended concentration: 10ug/ml.

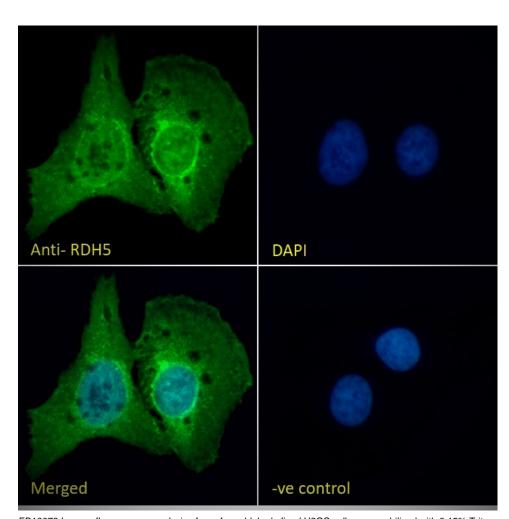
Species Reactivity

Tested: Human

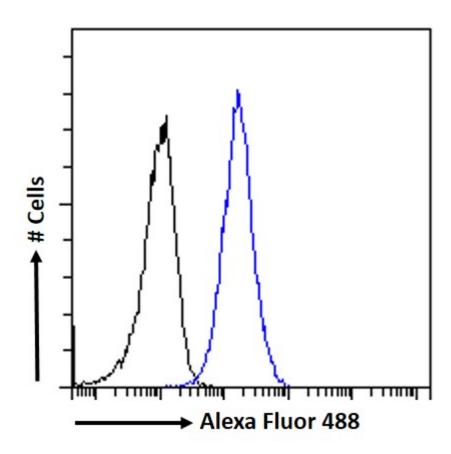
Expected from sequence similarity: Human



EB10078 (5μg/ml) staining of paraffin embedded Human Retina. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB10078 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong Endoplasmic Reticulum and weak cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10078 Flow cytometric analysis of paraformaldehyde fixed U2OS cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.