



## UK Office

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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 GeneID(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.

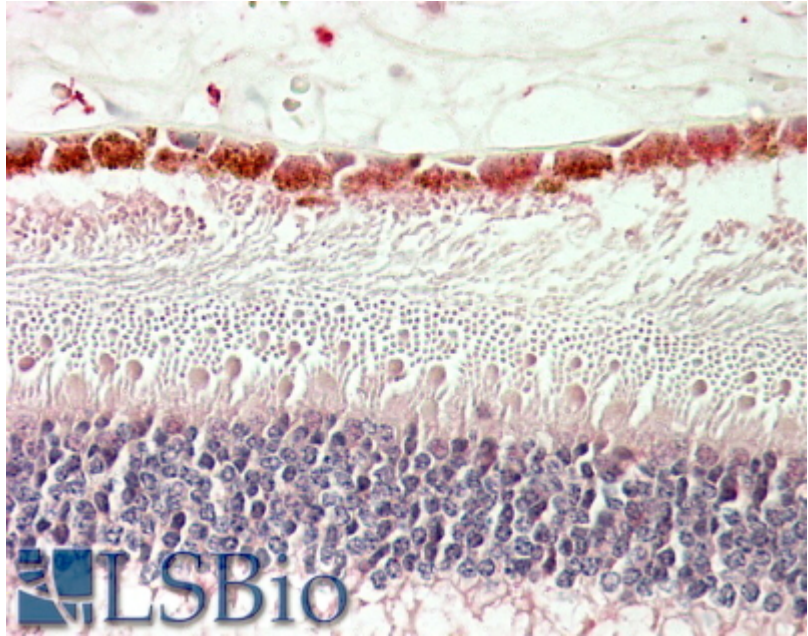
Recommended concentration: 10µg/ml.

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

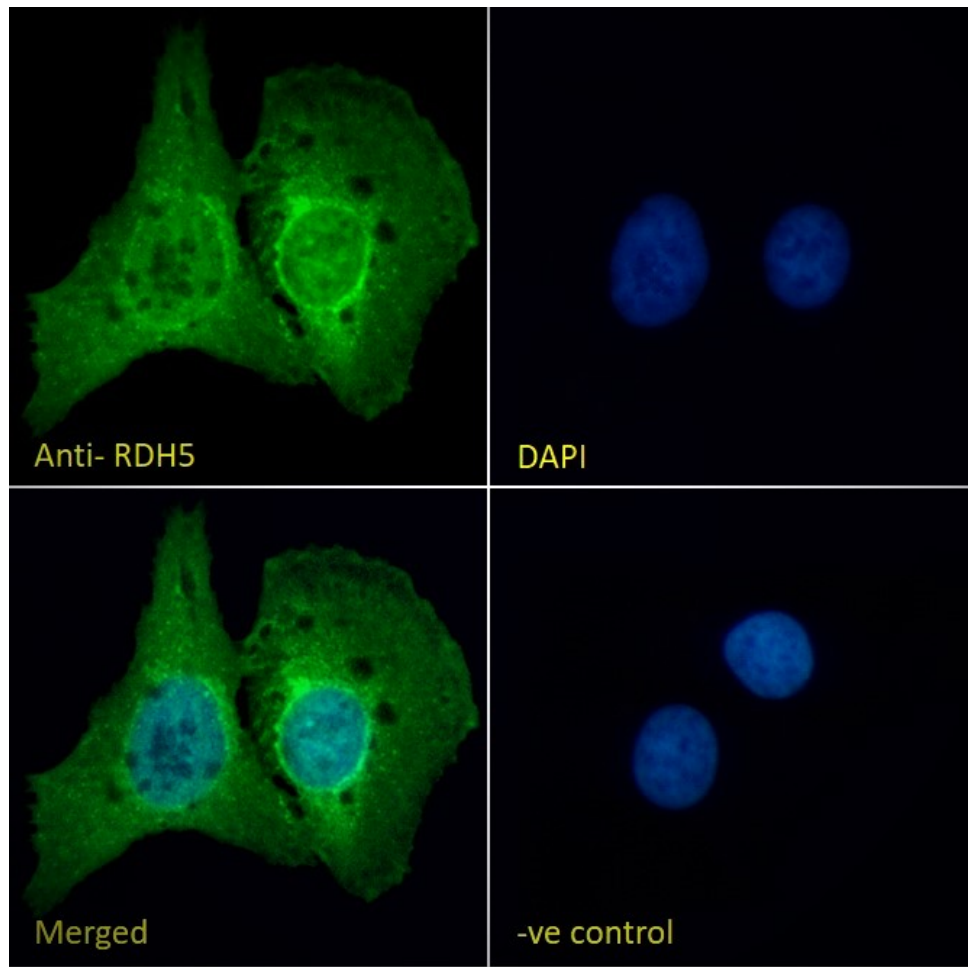
### Species Reactivity

**Tested:** Human

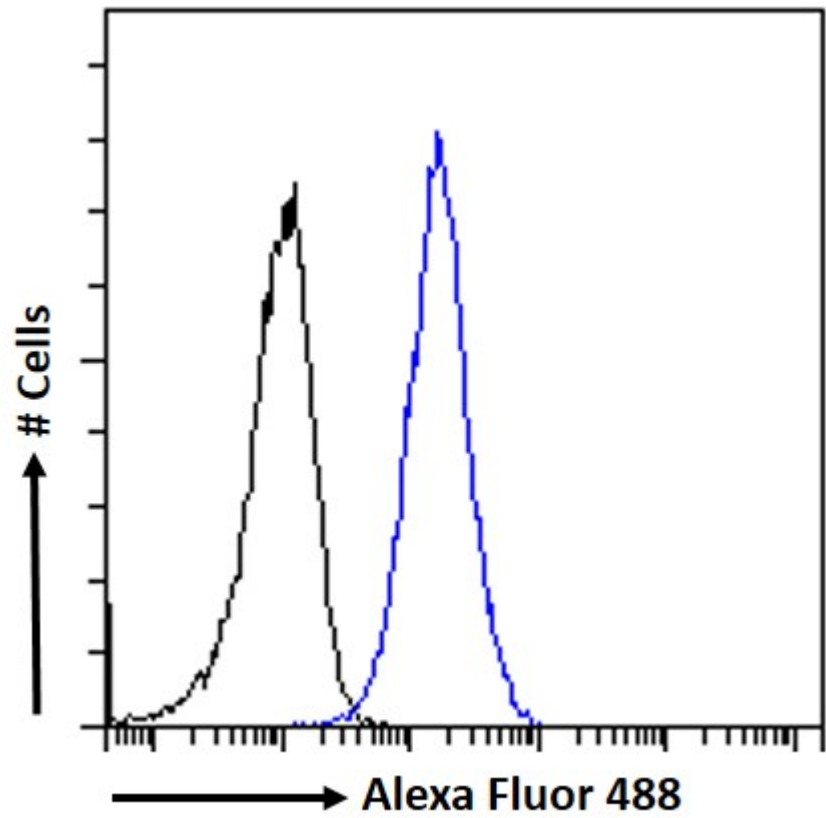
**Expected from sequence similarity:** Human



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.