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Research Use Only. Not for diagnostic or therapeutic use.

EB07424 - Goat Anti-DRD5 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: DRD5, dopamine receptor D5, DBDR, DRD1B, DRD1L2, MGC10601,

D1beta dopamine receptor, dopamine receptor D1B

Official Symbol: DRD5

Accession Number(s): NP_000789.1

Human GeneID(s): 1816

Immunogen

Peptide with sequence C-NREVDNDEEEGPFD, from the internal region of the protein sequence according to NP_000789.1.

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 1:128000.

Western blot: Preliminary testing showed a band at approx 55kDa in Caco-2 and U2OS cell lysate after 1-2μg/ml antibody staining (calculated MW of 53.0kDa according to NP_000789.1). Primary incubation 1 hour at room temperature.

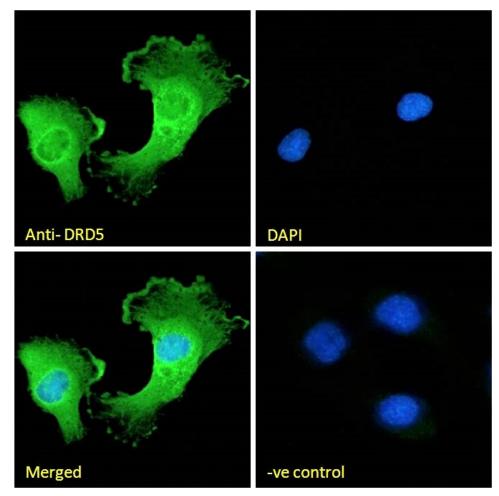
Immunofluorescence: Strong expression of the protein seen in the cytoplasm and plasma membranes of U251 and HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of U251 cells. Recommended concentration: 10ug/ml.

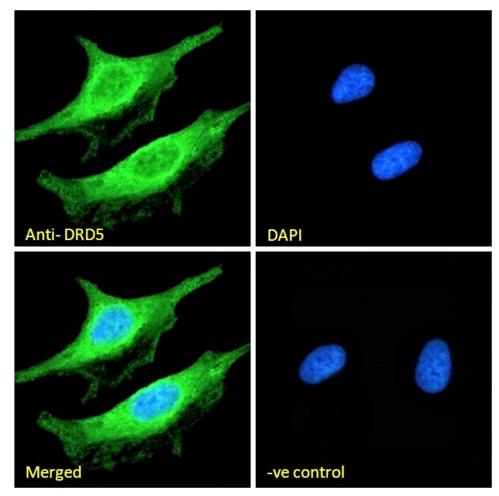
Species Reactivity

Tested: Human

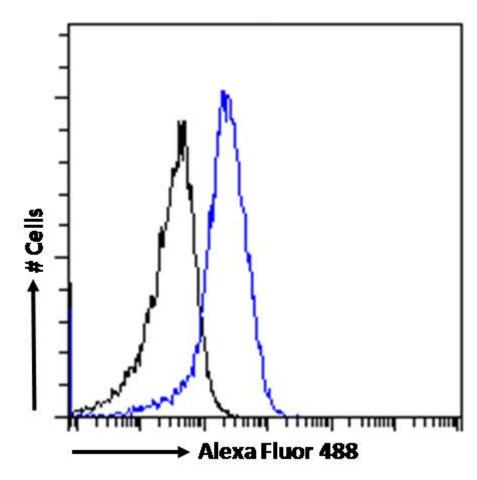
Expected from sequence similarity: Human



EB07424 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07424 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07424 Flow cytometric analysis of paraformaldehyde fixed U251 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.