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EB06695 - Goat Anti-CD32 / FCGR2B Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: FCGR2B, CD32, FCG2, FCGR2, IGFR2, Fc fragment of IgG, low affinity IIb, receptor for (CD32), Fc gamma RIIb, Fc fragment of IgG, low affinity II, receptor for (CD32), Fc fragment of IgG, low affinity IIb, receptor (CD32), CD32B, Fc fragment of IgG, low affinity IIb, receptor
Official Symbol: FCGR2B
Accession Number(s): NP_003992.3; NP_001002273.1; NP_001002274.1; NP_001002275.1; NP_001177757.1
Human GeneID(s): 2213
Important Comments: This antibody is expected to recognise all reported isoforms (NP_001002273.1; NP_001002274.1; NP_001002275.1; NP_003992.3; NP_001177757.1).

Immunogen

Peptide with sequence C-PDALEEPDDQNRI, from the C Terminus of the protein sequence according to NP_003992.3; NP_001002273.1; NP_001002274.1; NP_001002275.1; NP_001177757.1.

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 1:32000.
Western blot: Approx. 38kDa band observed in Human Placenta lysates and in lysates of cell line Daudi, and also in preliminary testing of K562 cell lysate (calculated MW of 34.0kDa according to NP_003992.3). This molecular weight is routinely observed by other sources. Recommended concentration: 0.5-3µg/ml. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Placenta. Recommended concentration: 6-8µg/ml.

Immunofluorescence: Strong expression of the protein seen in the membranes of THP-1 cells. Recommended concentration: 10µg/ml.

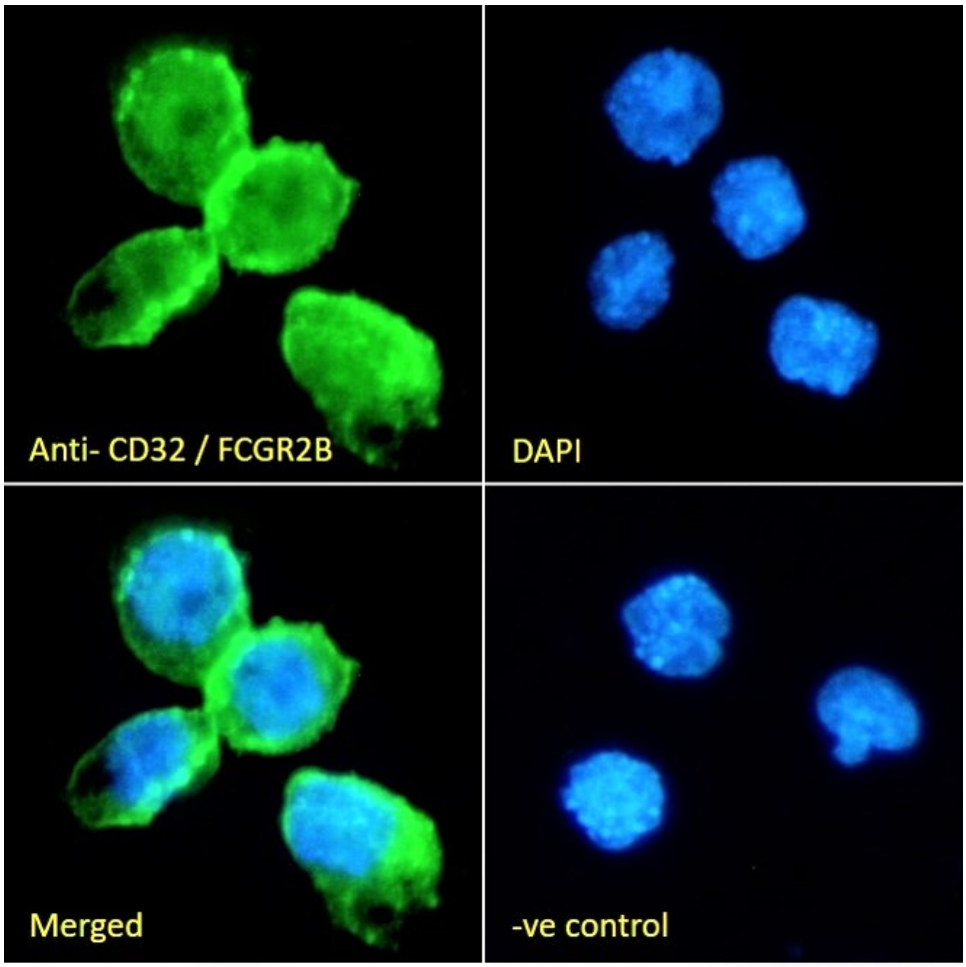
Flow Cytometry: Flow cytometric analysis of K562 cells. Recommended concentration: 10ug/ml.

Species Reactivity

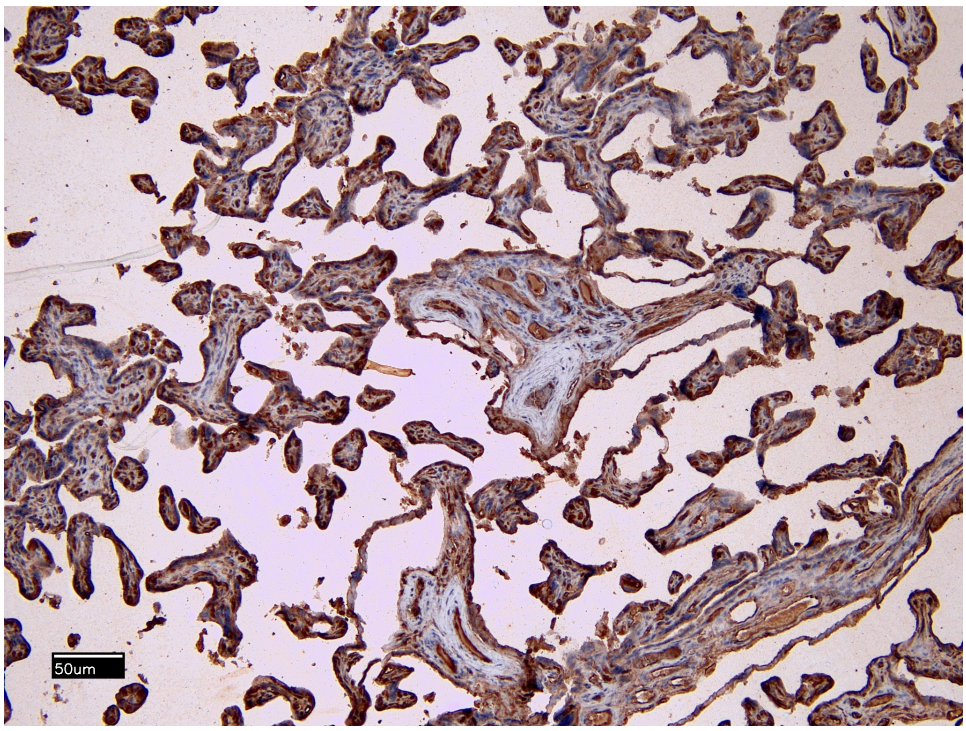
Tested: Human
Expected from sequence similarity: Human

EB06695 (1µg/ml) staining of Daudi cell lysate (RIPA buffer, (35µg protein in RIPA buffer). Detected by chemiluminescence.

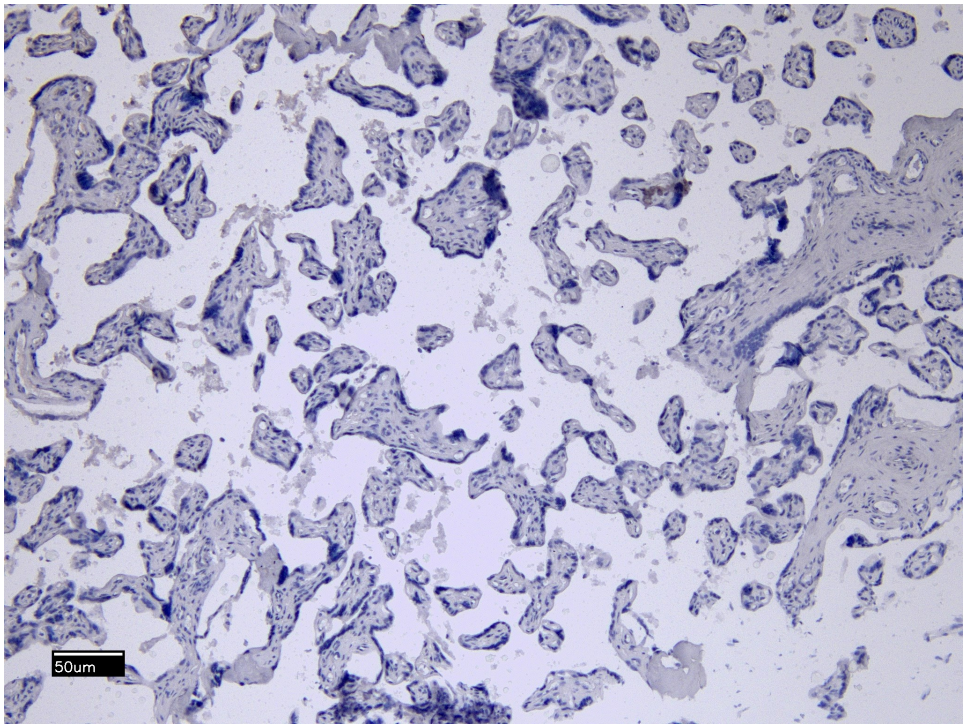
EB06695 (0.5µg/ml) staining of Human Placenta lysate (RIPA buffer, (35µg protein in RIPA buffer). Detected by chemiluminescence.



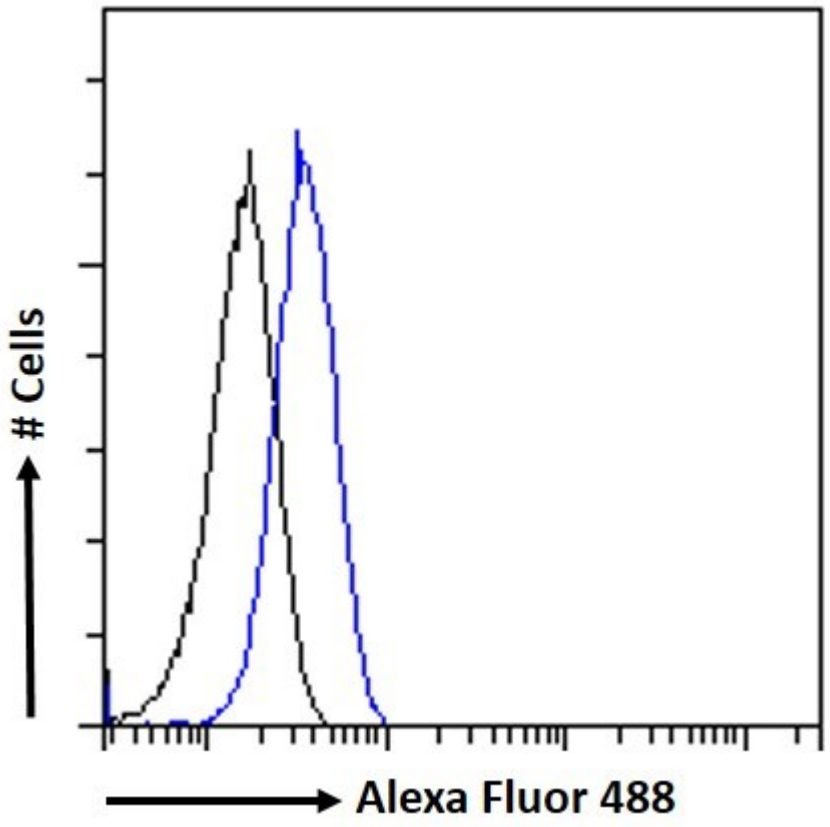
EB06695 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06695 (8µg/ml) staining of paraffin embedded Human Placenta. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06695 Negative Control showing staining of paraffin embedded Human Placenta, with no primary antibody.



EB06695 Flow cytometric analysis of paraformaldehyde fixed K562 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.