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Research Use Only. Not for diagnostic or therapeutic use.

EB06457 - Goat Anti-DKK1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: DKK1, SK, DKK-1, dickkopf homolog 1 (Xenopus laevis), dickkopf-1 like, dickkopf (Xenopus laevis) homolog 1, dickkopf homolog 1, dickkopf related protein-1

Official Symbol: DKK1

Accession Number(s): NP_036374.1

Human GeneID(s): 22943

Immunogen

Peptide with sequence CDHHQASNSSRLHT, from the C Terminus of the protein sequence according to NP_036374.1.

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: Approx 38kDa band observed in lysates of cell line MCF7 and in preliminary testing of HepG2 cell lysate and Human Spleen lysate (calculated MW of 28.7kDa accordin to NP_036374.1). This molecular weight is routinely observed by other sources. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Placenta. Recommended concentration: 10µg/ml.

Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of HepG2 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

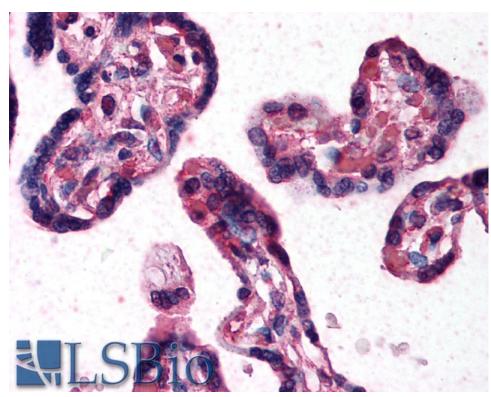
Species Reactivity

Tested: Human

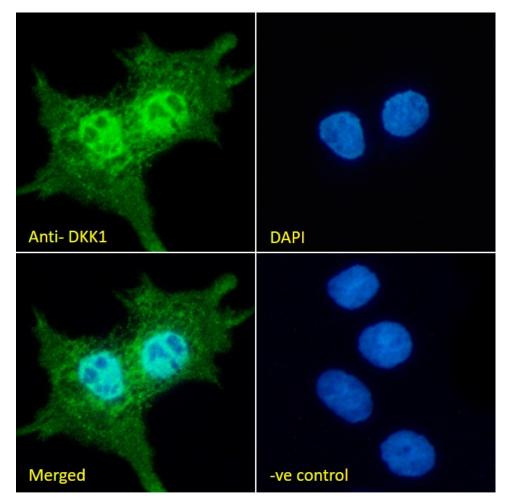
Expected from sequence similarity: Human, Mouse, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

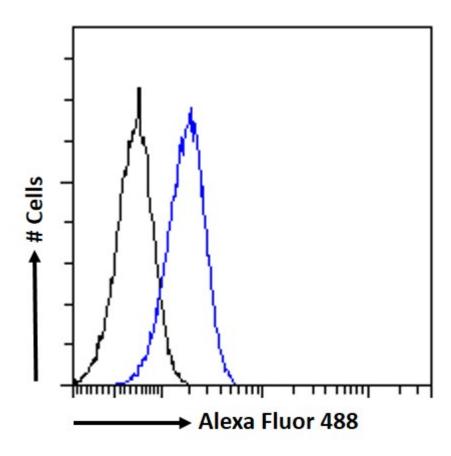
EB06457 (1µg/ml) staining of MCF7 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB06457 (10µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06457 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear 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).



EB06457 Flow cytometric analysis of paraformaldehyde fixed HepG2 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.