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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 CDHHQASNSSLHT, 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 according 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: 10µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Cow

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.