



## UK Office

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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 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.

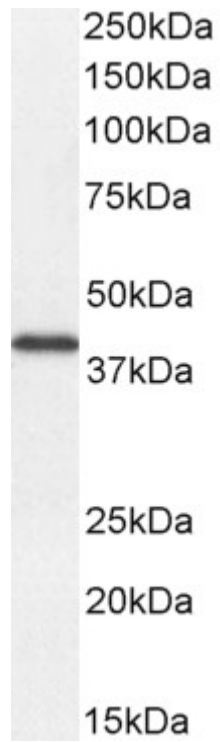
**Immunofluorescence:** Strong expression of the protein seen in the nuclei and cytoplasm of HepG2 cells. Recommended concentration: 10µg/ml.

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

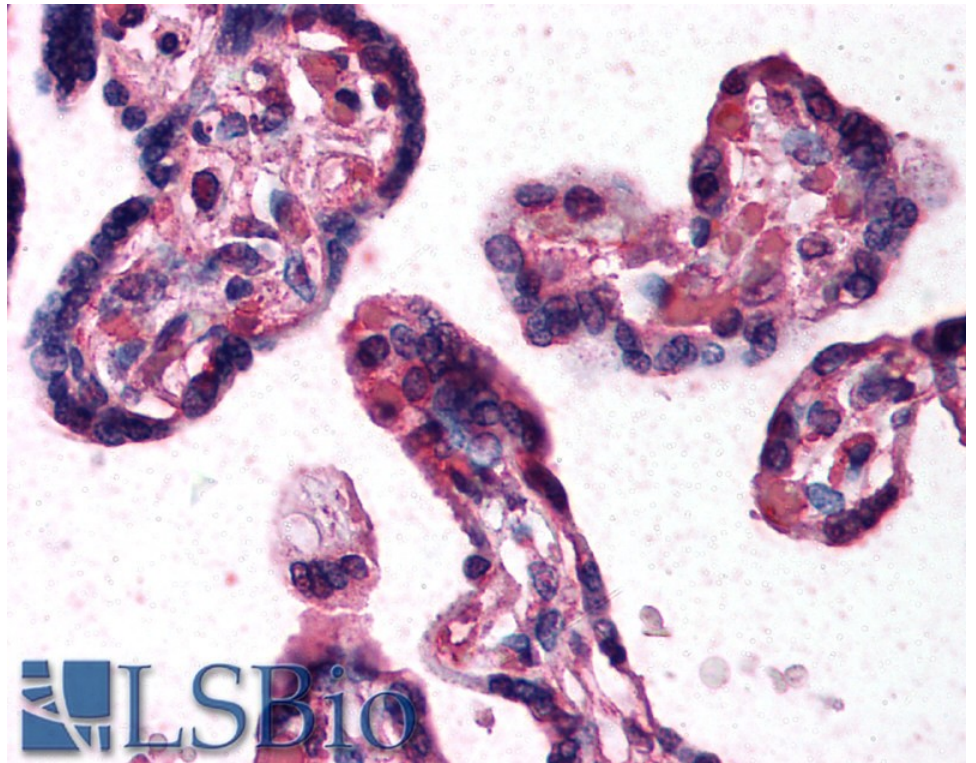
### Species Reactivity

**Tested:** Human

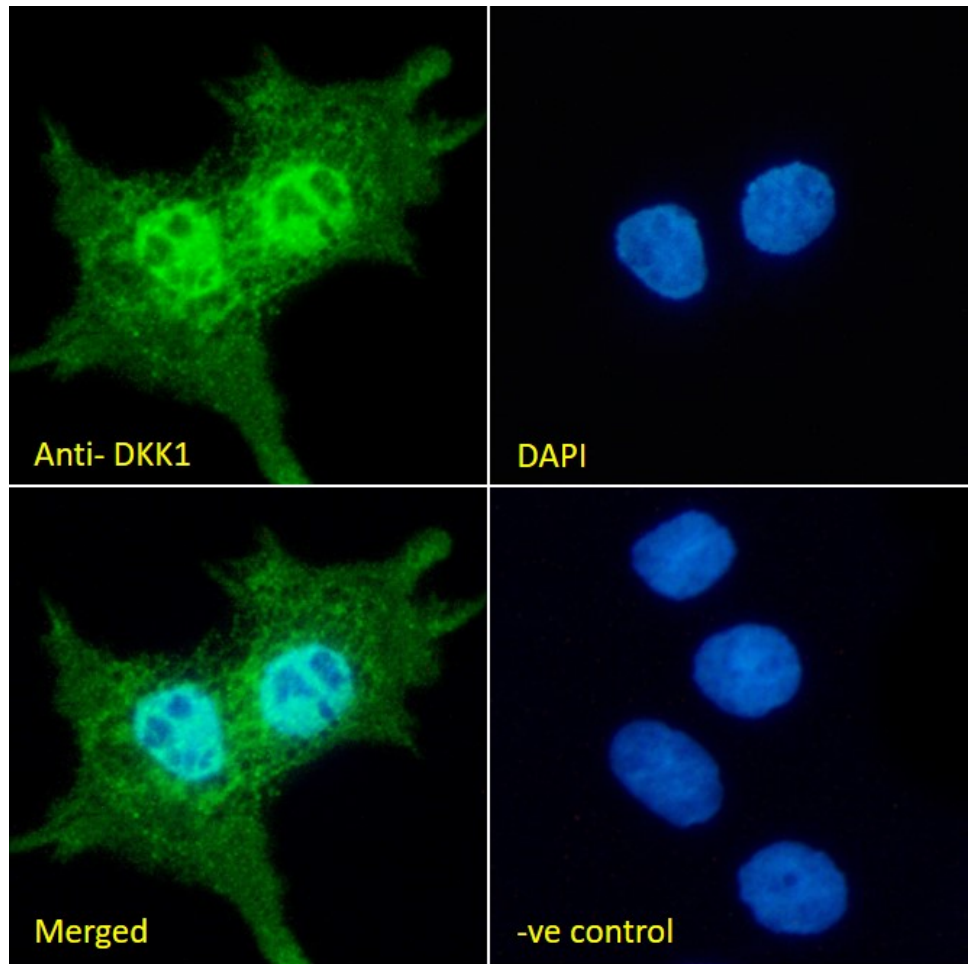
**Expected from sequence similarity:** Human, Mouse, Cow



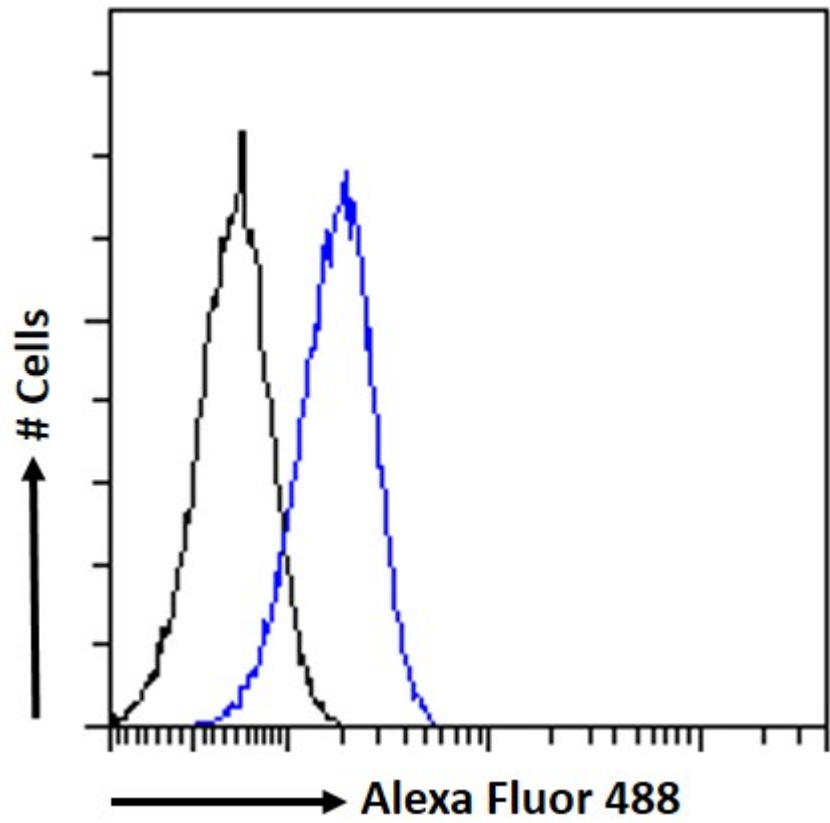
EB06457 (1 $\mu$ g/ml) staining of MCF7 cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06457 (10 $\mu$ g/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.