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EB06868 - Goat Anti-SDHB Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: SDHB, IP, SDH, SDH1, SDHIP, succinate dehydrogenase complex, subunit B, iron sulfur (Ip), OTTHUMP00000044624, iron-sulfur subunit, FLJ92337, SDH2, CWS2, PGL4
Official Symbol: SDHB
Accession Number(s): NP_002991.2
Human GeneID(s): 6390

Immunogen

Peptide with sequence C-ATYKEKKASV, from the C Terminus of the protein sequence according to NP_002991.2.

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 1:8000.
Western blot: Approx 28-30kDa band observed in lysates of cell lines HEK293, Jurkat and HeLa (calculated MW of 31.6kDa according to NP_002991.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Kidney. Recommended concentration: 6-8µg/ml.

Immunofluorescence: Strong expression of the protein seen in the plasm membrane/ cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human

EB06868 (0.1µg/ml) staining of HEK293 (A), Jurkat (B) and HeLa (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06868 (6µg/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB06868 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.

EB06868 Immunofluorescence analysis of paraformaldehyde fixed A431 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).

EB06868 Flow cytometric analysis of paraformaldehyde fixed A431 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.