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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB11000 - Goat Anti-IDH3G (aa337-350) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: IDH3G, isocitrate dehydrogenase 3 (NAD+) gamma, H-IDHG, IDH-gamma, NAD (H)-specific isocitrate dehydrogenase gamma subunit, NAD(+)-specific ICDH subunit gamma, NAD+-specific ICDH, OTTHUMP00000025984, OTTHUMP00000025987, OTTHUMP00000025988, isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial, isocitrate dehydrogenase, NAD(+)-specific, mitochondrial, gamma subunit, isocitric dehydrogenase subunit gamma

Official Symbol: IDH3G

Accession Number(s): NP_004126.1; NP_777358.1

Human GeneID(s): [3421](#)

Non-Human GeneID(s): 15929 (mouse), 25179 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_004126.1; NP_777358.1).

Immunogen

Peptide with sequence C-DHLKLHSYATSIRK, from the internal region of the protein sequence according to NP_004126.1; NP_777358.1.

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 1:16000.

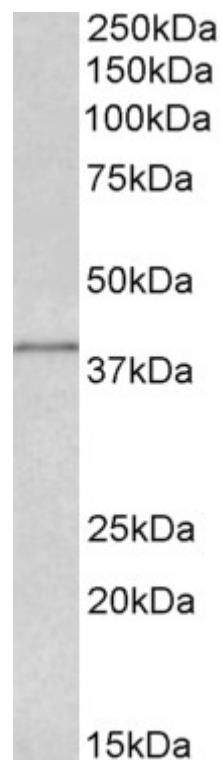
Western blot: Approx 38kDa band observed in lysates of cell line MCF7 and of Rat and Pig Heart (calculated MW of 41.5kDa according to NP_777358.1). Recommended concentration: 0.5-2µg/ml.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

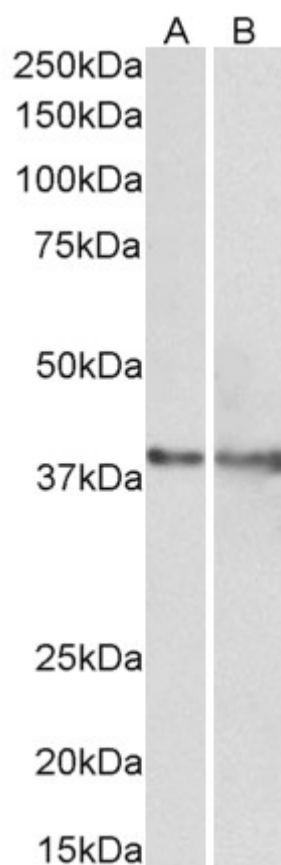
Species Reactivity

Tested: Human, Rat, Pig

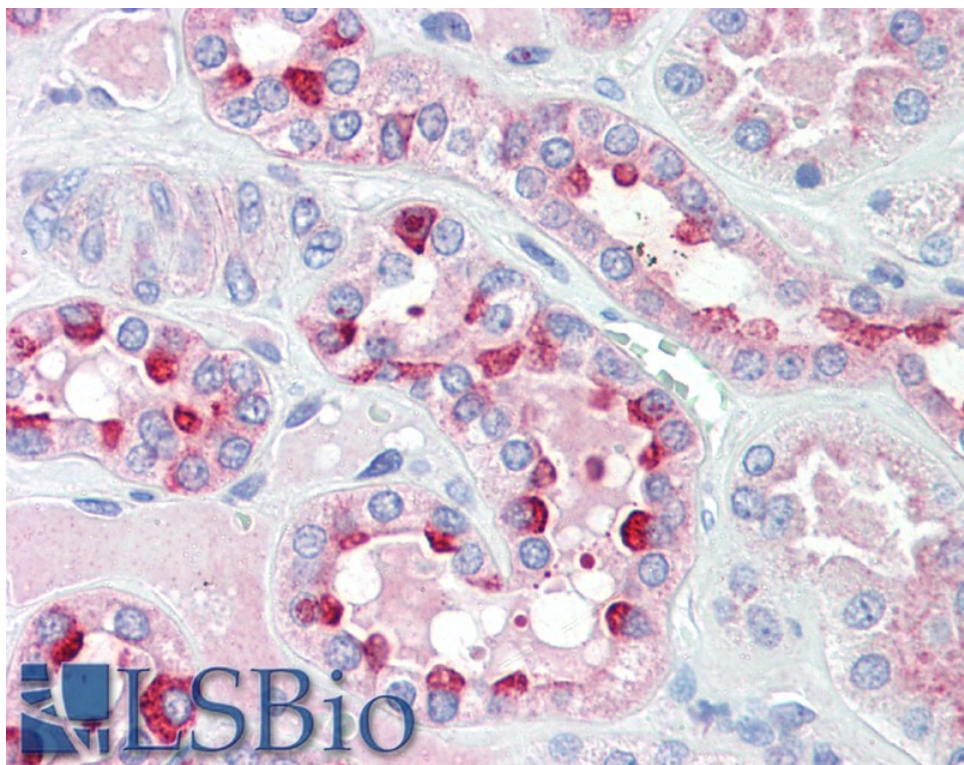
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB11000 (0.5 μ g/ml) staining of MCF7 lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11000 (1 μ g/ml) staining of Rat (A) and Pig (B) Heart lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11000 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.