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EB10789 - Goat Anti-HIF1alpha / MOP1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: HIF1A, hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor), HIF-1alpha, HIF1, HIF1-ALPHA, MOP1, PASD8, bHLHe78, ARNT interacting protein, HIF-1-alpha, OTTHUMP00000179063, PAS domain-containing

Official Symbol: HIF1A

Accession Number(s): NP_001521.1; NP_851397.1

Human GeneID(s): 3091

Non-Human GenelD(s): 15251 (mouse), 29560 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_001521.1; NP_851397.1). This antibody is NOT expected to cross-react with EPAS1

(GeneID 2034).

Immunogen

Peptide with sequence C-KMTQLFTKVESED, from the internal region of the protein sequence according to NP_001521.1; NP_851397.1.

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

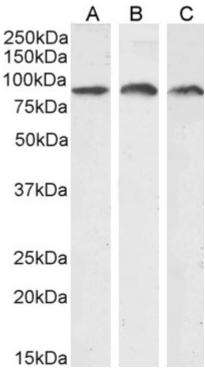
Peptide ELISA: antibody detection limit dilution 1:1000.

Western blot: Approx 90kDa band observed in Human and Mouse Lung and in Human Kidney lysates and approx 85-90kDa in Human Gastrointestinal cancer lysates (calculated MW of 92.7kDa according to Human NP_001521.1, 82.7kDa according to Human NP_851397.1 and 93.7kDa according to Mouse NP_001300848.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

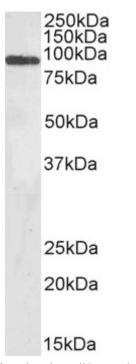
Species Reactivity

Tested: Human, Mouse

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



EB10789 (0.3μg/ml) staining of Human Kidney (A), Lung (B) and Gastrointestinal cancer (C) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence



EB10789 (0.5μg/ml) staining of Mouse Lung lysate (35μg protein in RIPA buffer). Detected by chemiluminescence