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

EB07841 - Goat Anti-G6PD (aa 308 - 320) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: G6PD, glucose-6-phosphate dehydrogenase, G6PD1, glucose-6-phosphate 1-dehydrogenase, glucose-6-phosphate dehydrogenase, G6PD

Official Symbol: G6PD

Accession Number(s): NP_000393.4 ; NP_001035810.1

Human GeneID(s): [2539](#)

Non-Human GeneID(s): 14381 (mouse), 24377 (rat)

Important Comments: This antibody is expected to recognise both reported isoforms (NP_000393.4 and NP_001035810.1).

Immunogen

Peptide with sequence C-STNSDDVRDEKVK, from the internal region of the protein sequence according to NP_000393.4 ; NP_001035810.1.

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 1:32000.

Western blot: Approx 55-60kDa double band observed in Human Testis, Thyroid and Tonsil lysates (calculated MW of 62.5kDa according to NP_000393.4 and 59.3kDa according to NP_001035810.1). Recommended concentration: 0.03-0.1µg/ml.

IHC: In paraffin embedded Human Testis shows strong cytoplasm staining in spermatogonia. Recommended concentration, 2-4µg/ml.

Enzyme immunoassay: Sandwich-type ELISA with increasing amount of recombinant G6PD captured by a rabbit antibody. Recommended reporter concentration: 5-10ug/ml

Species Reactivity

Tested: Human

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

EB07841 (0.03µg/ml) staining of Human Testis lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB07841 (2.5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07841 (5ug/ml) as the reporter with EB002003 as the capture rabbit antibody (5ug/ml).