

### **International Office**

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# EB07823 - Goat Anti-G6PD (aa 305 - 318) 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 GenelD(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-KPASTNSDDVRDEK, 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 1:8000.

**Western blot:** Approx 55kDa band observed in Human Peripheral Blood Mononucleocyte lysates (calculated MW of 59.3kDa according to NP\_001035810.1). Recommended

concentration: 1-3µg/ml.

## **Species Reactivity**

Tested: Human

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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB07823 ( $1\mu g/ml$ ) staining of Peripheral Blood Mononucleocytes lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.