



Datasheet for ABIN190776

anti-Glucose-6-Phosphate Dehydrogenase antibody (AA 305-318)



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2 Images

Overview

Quantity:	100 µg
Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Binding Specificity:	AA 305-318
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Glucose-6-Phosphate Dehydrogenase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	G6PD (aa 305 - 318)
Immunogen:	Peptide with sequence C-KPASTNSDDVRDEK, from the internal region of the protein sequence according to NP_000393.4 , NP_001035810.1.
Sequence:	KPASTNSDDV RDEK
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported isoforms (NP_000393.4 and NP_001035810.1).
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: Glucose-6-Phosphate Dehydrogenase (G6PD)

Alternative Name: G6PD ([G6PD Products](#))

Background: G6PD, glucose-6-phosphate dehydrogenase , G6PD1 , glucose-6-phosphate 1-dehydrogenase, glucose-6-phosphate dehydrogenase, G6PD

Gene ID: 2539, 14381, 24377

NCBI Accession: [NP_000393](#), [NP_001035810](#)

Pathways: [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Application Notes: Western Blot: Approx 55 kDa band observed in Human Peripheral Blood Mononucleocyte lysates (calculated MW of 59.3 kDa according to NP_001035810.1). Recommended concentration: 1-3 µg/mL.
Peptide ELISA: antibody detection limit dilution 1:8000.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Minimize freezing and thawing.

Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. ABIN190776 (1µg/ml) staining of Peripheral Blood Mononucleocytes lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Image 2. ABIN190776 (0.1µg/ml) staining of Human Placenta lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.