bs-6989R

[Primary Antibody]

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G6PDH Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 25796 **SWISS:** 095336

Target: G6PDH

Immunogen: KLH conjugated synthetic peptide derived from human G6PDH:

321-420/791.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: H6PD (hexose-6-phosphate dehydrogenase, GDH/6PGL

endoplasmic bifunctional protein) is a 789 amino acid protein encoded by the human gene H6PD. The N-terminal section of H6PD belongs to the glucose-6-phosphate dehydrogenase family, while

the C-terminal section belongs to the

glucosamine/galactosamine-6-phosphate isomerase family, 6phosphogluconolactonase subfamily. H6PD is responsible primarily for the oxidation of glucose-6-phosphate and glucose. It also oxidizes other hexose-6-phosphates. H6PD catalyzes the conversion of glucose 6-phosphate to 6-phosphogluconolactone within the lumen of the endoplasmic reticulum, thereby generating reduced nicotinamide adenine dinucleotide phosphate. Reduced nicotinamide adenine dinucleotide phosphate is a necessary cofactor for the reductase activity of 11 \int -hydroxysteroid dehydrogenase type 1, which converts hormonally inactive cortisone to active cortisol (in rodents, 11-dehydrocorticosterone

to corticosterone).

Applications: IHC-P (1:100-500)

400-901-9800

IHC-F (1:100-500) **IF** (1:100-500) **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse,

Rat, Rabbit, Dog, Horse)

Predicted MW.: 85 kDa

Subcellular Cytoplasm Location: