

For Research Use Only

H6PD Recombinant antibody

Catalog Number: 82819-2-RR



Basic Information

Catalog Number: 82819-2-RR	GenBank Accession Number: BC081559	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 9563	CloneNo.: 3C14
Source: Rabbit	UNIPROT ID: O95479	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	
Immunogen Catalog Number: AG7109	Calculated MW: 89 kDa	
	Observed MW: 89-95 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, rat liver tissue
Species Specificity: Human, rat	

Background Information

Hexose-6-phosphate dehydrogenase (H6PD) is also named as GDH,6PGL. It is the main NADPH generating enzyme in the lumen of the endoplasmic reticulum. H6PD is regarded as an ancillary enzyme in prerenal glucocorticoid activation and probably acts as a nutrient sensor and as a prosurvival factor(PMID:21620971). H6PD is a glycoprotein and has been shown tissue differences in glycosylation status might explain both the difference in migration on SDS-PAGE gels as well as in activity. Defects in H6PD are a cause of cortisone reductase deficiency (CRD).

Storage

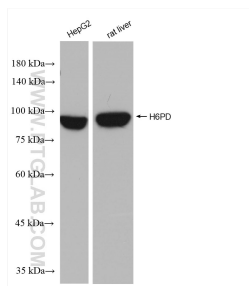
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82819-2-RR (H6PD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.