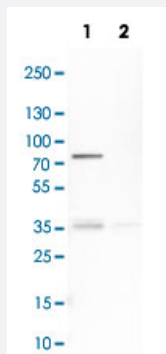


H6PD polyclonal antibody

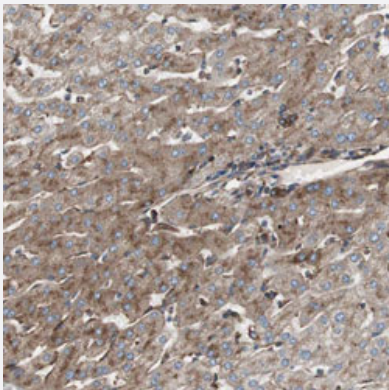
Catalog # PAB31355 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) with H6PD polyclonal antibody (Cat # PAB31355).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with H6PD polyclonal antibody (Cat # PAB31355) shows moderate cytoplasmic positivity in hepatocytes.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human H6PD.
Immunogen	Recombinant protein corresponding to human H6PD.
Sequence	APMPSDFQVLRKYRESPLVSAWSEELISKLANDIEATAVRAVRRFGQFHLALSGGSSPVALFQQ LATAHYGFPWAHTHLWLVDERCVPPLSDPESNFGQLQAHLLQHVRIPIYYNIHP
Host	Rabbit
Reactivity	Human, Mouse

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) with H6PD polyclonal antibody (Cat # PAB31355).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with H6PD polyclonal antibody (Cat # PAB31355) shows moderate cytoplasmic positivity in hepatocytes.

Gene Info — H6PD

Entrez GeneID	9563
Protein Accession#	O95479
Gene Name	H6PD
Gene Alias	DKFZp686A01246, G6PDH, GDH, MGC87643
Gene Description	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)
Omim ID	138090 604931
Gene Ontology	Hyperlink

Gene Summary

There are 2 forms of glucose-6-phosphate dehydrogenase. G form is X-linked and H form, encoded by this gene, is autosomally linked. This H form shows activity with other hexose-6-phosphates, especially galactose-6-phosphate, whereas the G form is specific for glucose-6-phosphate. Both forms are present in most tissues, but H form is not found in red cells. [provided by RefSeq]

Other Designations

6-phosphogluconolactonase|G6PD, H form|GDH/6PGL endoplasmic bifunctional protein|OTTHU MP00000001703|glucose 1- dehydrogenase|glucose dehydrogenase|glucose dehydrogenase|glucose-6-phosphate dehydrogenase, salivary|hexose-6-phosphate dehydrogenase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of plant hormones](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

Disease

- [Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Polycystic Ovary Syndrome](#)