

Product datasheet for **TA501241S**

H6PD Mouse Monoclonal Antibody [Clone ID: OTI1H6]

Product data:

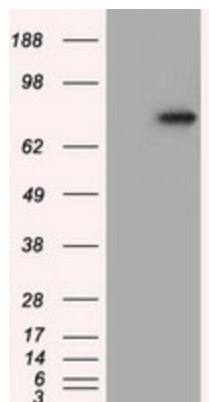
| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1H6 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:1000, IHC 1:50, IF 1:100, FLOW 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human H6PD (NP_004276) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.66 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 88.7 kDa |
| Gene Name: | hexose-6-phosphate dehydrogenase/glucose 1-dehydrogenase |
| Database Link: | NP_004276 Entrez Gene 9563 Human O95479 |
| Background: | 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. |
| Synonyms: | CORTRD1; G6PDH; GDH |



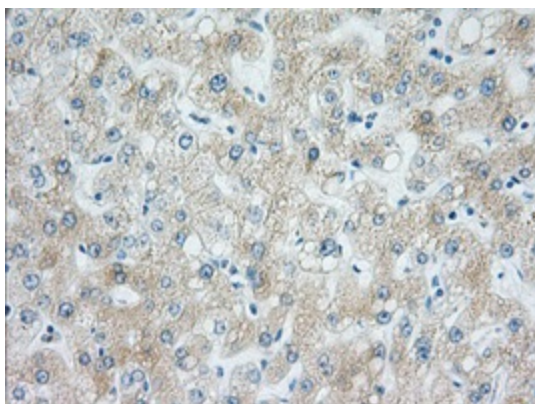
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Protein Pathways: Metabolic pathways, Pentose phosphate pathway

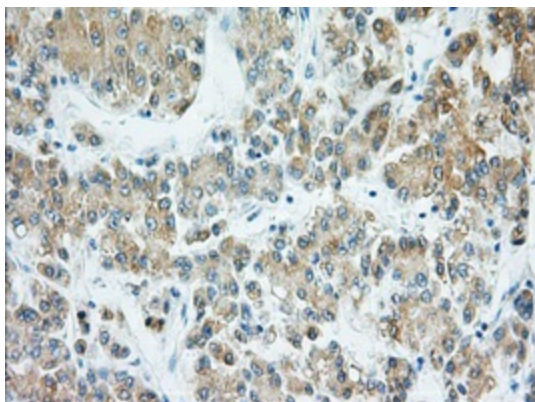
Product images:



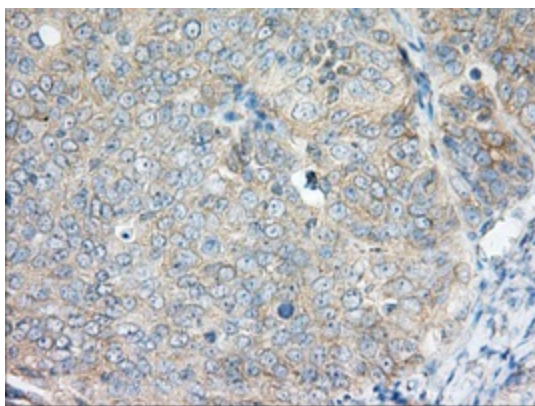
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY H6PD ([RC209890], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-H6PD. Positive lysates [LY401369] (100ug) and [LC401369] (20ug) can be purchased separately from OriGene.



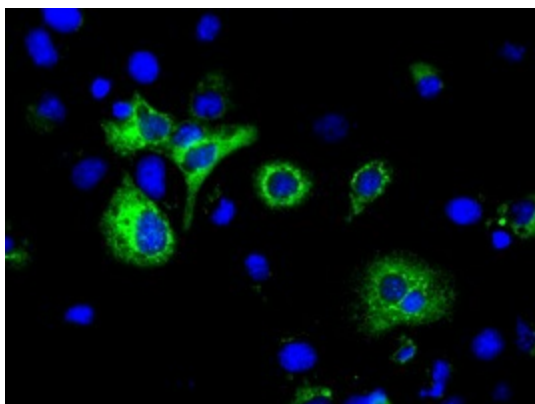
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-H6PD mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501241], Dilution 1:50)



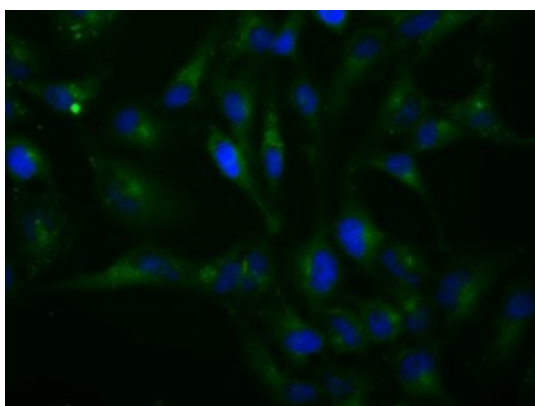
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-H6PD mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501241], Dilution 1:50)



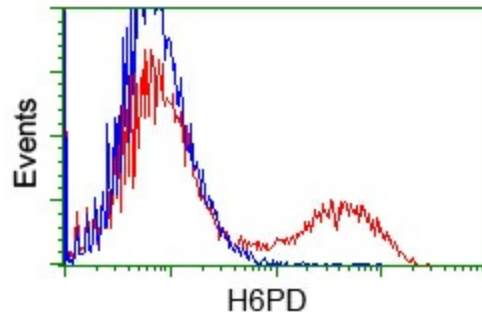
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-H6PD mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501241], Dilution 1:50)



Anti-H6PD mouse monoclonal antibody ([TA501241]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY H6PD ([RC209890]).



Immunofluorescent staining of HeLa cells using anti-H6PD mouse monoclonal antibody ([TA501241]).



HEK293T cells transfected with either [RC209890] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-H6PD antibody ([TA501241]), and then analyzed by flow cytometry.