

Product datasheet for **TA502086S**

GRHPR Mouse Monoclonal Antibody [Clone ID: OTI1A9]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1A9 |
| Applications: | FC, IHC, WB |
| Recommended Dilution: | WB 1:500~2000, IHC 1:150, FLOW 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human GRHPR (NP_036335) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.35 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: | 35.5 kDa |
| Gene Name: | glyoxylate and hydroxypyruvate reductase |
| Database Link: | NP_036335 Entrez Gene 680021 Rat Entrez Gene 9380 Human Q9UBQ7 |
| Background: | This gene encodes an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase enzymatic activities. The enzyme has widespread tissue expression and has a role in metabolism. Type II hyperoxaluria is caused by mutations in this gene. [provided by RefSeq] |
| Synonyms: | GLXR; GLYD; PH2 |

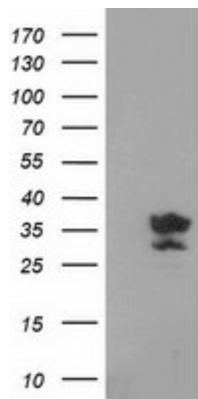


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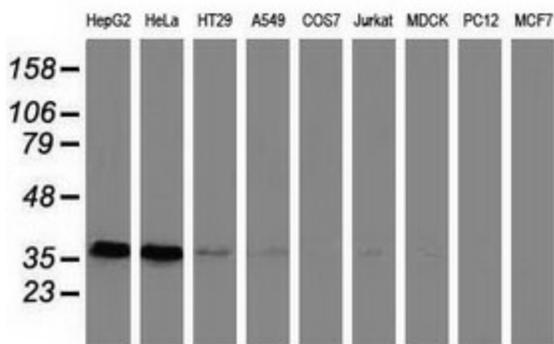
Protein Families: Druggable Genome

Protein Pathways: Glyoxylate and dicarboxylate metabolism, Metabolic pathways, Pyruvate metabolism

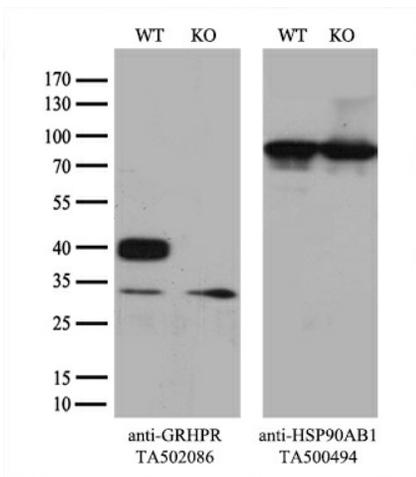
Product images:



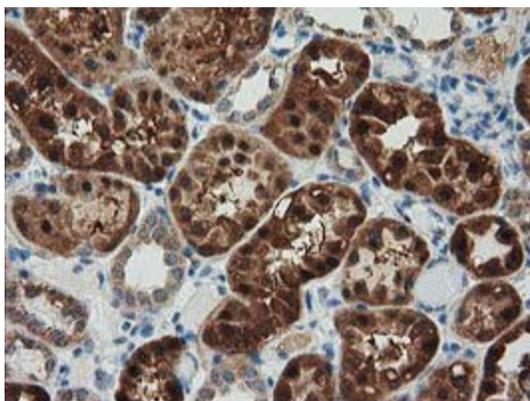
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GRHPR ([RC200963], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GRHPR. Positive lysates [LY415912] (100ug) and [LC415912] (20ug) can be purchased separately from OriGene.



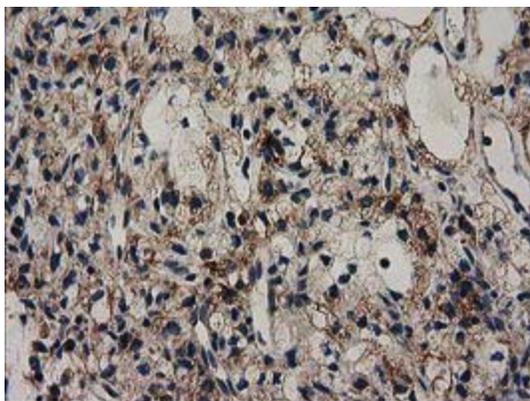
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-GRHPR monoclonal antibody.



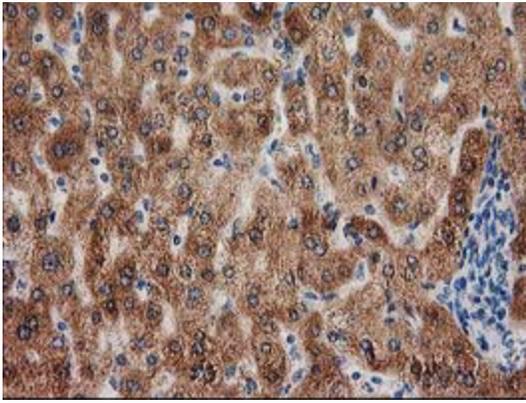
Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and GRHPR-Knockout 293T cells (KO, Cat# [LC841943]) were separated by SDS-PAGE and immunoblotted with anti-GRHPR monoclonal antibody [TA502086] (1:500^o). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



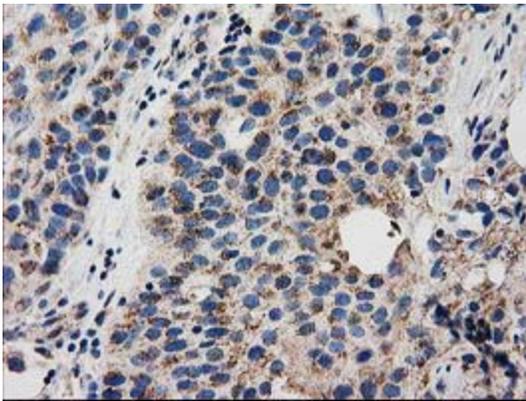
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GRHPR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502086])



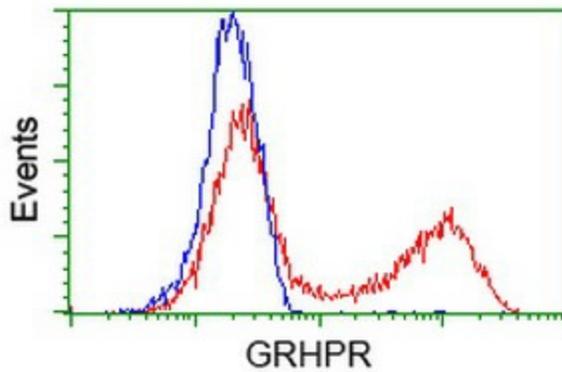
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GRHPR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502086])



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-GRHPR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502086])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-GRHPR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502086])



HEK293T cells transfected with either [RC200963] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-GRHPR antibody ([TA502086]), and then analyzed by flow cytometry.