

**Product Name: KD-Validated GRHPR Mouse Monoclonal Antibody****Catalog #: KVA00635**

For research use only.

**Summary**

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Mouse                                                                       |
| <b>Application</b>  | WB                                                                          |
| <b>Reactivity</b>   | Human,M                                                                     |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Mouse IgG1                                                                  |
| <b>Clonality</b>    | Mouse mAb                                                                   |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

**Application**

|                         |                        |
|-------------------------|------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:2,500       |
| <b>Molecular Weight</b> | Calculated MW: 35.7kDa |

**Antigen Information**

|                          |                                                                                                                                                                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | GRHPR                                                                                                                                                                                                                                                                                               |
| <b>Alternative Names</b> | GRHPR; Glyoxylate And Hydroxypyruvate Reductase; Glyoxylate Reductase/Hydroxypyruvate Reductase; GLXR; PH2; Glyoxylate Reductase And Hydroxypyruvate Reductase; Epididymis Secretory Sperm Binding Protein; Primary Hyperoxaluria Type 2; Glycerate-2-Dehydrogenase; EC 1.1.1.79; EC 1.1.1.81; GLYD |
| <b>Gene ID</b>           | 9380.0                                                                                                                                                                                                                                                                                              |
| <b>SwissProt ID</b>      | Q9UBQ7                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>         | Recombinant protein of human GRHPR                                                                                                                                                                                                                                                                  |

**Background**

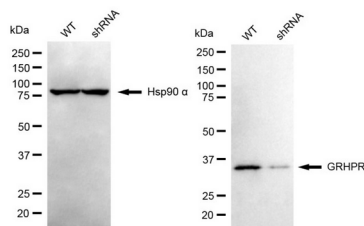
This gene encodes an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase

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, Jul 2008]

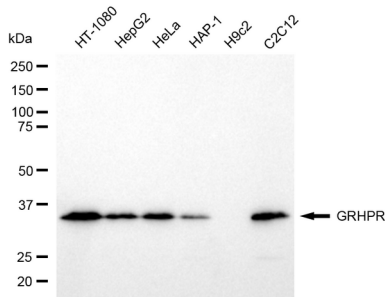
## Research Area

Signal Transduction, Metabolism

## Image Data



Western blotting analysis using GRHPR antibody (KVA00635). GRHPR expression in wild type (WT) and GRHPR shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with GRHPR antibody (KVA00635, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using GRHPR antibody (KVA00635). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GRHPR antibody (KVA00635, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.