

GRHPR rabbit pAb

Catalog No: YT6566

Reactivity: Human; Mouse

Applications: WB

Target: GRHPR

Fields: >>Glycine, serine and threonine metabolism;>>Pyruvate

metabolism;>>Glyoxylate and dicarboxylate metabolism;>>Metabolic pathways

Gene Name: GRHPR GLXR MSTP035

Q9UBQ7

Q91Z53

Protein Name: GRHPR

Human Gene Id: 9380

Human Swiss Prot

No:

Mouse Gene Id: 76238

Mouse Swiss Prot

No:

Immunogen: Synthesized peptide derived from human GRHPR AA range: 151-201

Specificity: This antibody detects endogenous levels of GRHPR at Human/Mouse

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1 ? 500-2000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/2



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 36kD

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],

Function: catalytic activity:Glycolate + NADP(+) = glyoxylate + NADPH.,disease:Defects in

GRHPR are the cause of hyperoxaluria primary type II (HP2) [MIM:260000]; also known as primary hyperoxaluria type II (PH2). HP2 is a disorder where the main clinical manifestation is calcium oxalate nephrolithiasis though chronic as well as terminal renal insufficiency has been described. It is characterized by an elevated urinary excretion of oxalate and L-glycerate.,function:Enzyme with hydroxy-pyruvate reductase, glyoxylate reductase and D-glycerate dehydrogenase enzymatic activities.,similarity:Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.,subunit:Monomer.,tissue specificity:Ubiquitous. Most

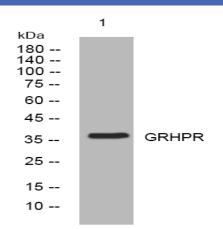
abundantly expressed in the liver.,

Subcellular Location:

cytoplasm, peroxisomal matrix, cytosol, extracellular exosome,

Expression: Ubiquitous. Most abundantly expressed in the liver.

Products Images



Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4° over night