

Anti-GKRP Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Horse, Rabbit)
Molecular Weight:	Theoretical: 69 kDa. Actual: 69 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: Liver (Mouse) Lysate at 40 µg A549 (Human) Cell Lysate at 30 µg U87Mg (Human) Cell Lysate at 30 µg HepG2 (Human) Cell Lysate at 30 µg Primary: Anti-GKRP (TMAB-06497) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 69 kD Observed band size: 69 kD</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GKRP) Polyclonal Antibody, Unconjugated (TMAB-06497) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p>
Application:	WB, IHC-P, IHC-Fr, IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GKRP
Antigen Species:	Human
Gene ID:	2646
Uniprot ID:	Q14397

Research Background

GCKR is a subfamily member of the SIS (Sugar ISomerase) family of proteins. It is a regulatory protein that inhibits glucokinase in liver and pancreatic islet cells by binding non-covalently to form an inactive complex with the enzyme. This gene is considered a susceptibility gene candidate for a form of maturity-onset diabetes of the young.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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