

GALK1 Polyclonal Antibody

Catalog No: YT1842

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: GALK1

Fields: >>Galactose metabolism;>>Amino sugar and nucleotide sugar

metabolism;>>Metabolic pathways;>>Biosynthesis of nucleotide sugars

Gene Name: GALK1

Protein Name: Galactokinase

Human Gene Id: 2584

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

GALK1. AA range:1-50

P51570

Q9R0N0

Specificity: GALK1 Polyclonal Antibody detects endogenous levels of GALK1 protein.

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

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not

yet tested in other applications.

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

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



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

Observed Band: 45kD

Cell Pathway: Galactose metabolism; Amino sugar and nucleotide sugar metabolism;

Background : Galactokinase is a major enzyme for the metabolism of galactose and its

deficiency causes congenital cataracts during infancy and presenile cataracts in

the adult population. [provided by RefSeq, Jul 2008],

Function: catalytic activity:ATP + D-galactose = ADP + alpha-D-galactose

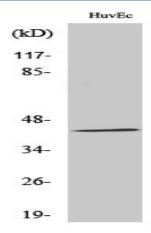
1-phosphate., disease: Defects in GALK1 are the cause of galactosemia II [MIM:230200]. It is an autosomal recessive deficiency characterized by congenital cataracts during infancy and presenile cataracts in the adult population. The cataracts are secondary to accumulation of galactitol in the lenses., function: Major enzyme for galactose metabolism., pathway: Carbohydrate metabolism; galactose metabolism., similarity: Belongs to the GHMP kinase family., similarity: Belongs to the GHMP kinase family.

Subcellular Location:

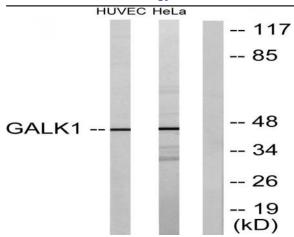
cytoplasm,cytosol,membrane,extracellular exosome,

Expression : Blood, Brain, Fetal brain cortex, Lung,

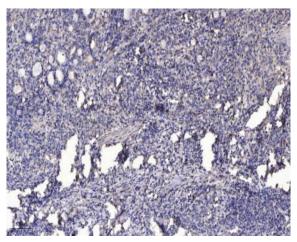
Products Images



Western Blot analysis of various cells using GALK1 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from HUVEC and HeLa cells, using GALK1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).