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GALK1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7081b

Product Information

Application	WB, E
Primary Accession	P51570
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB05317
Calculated MW	42272
Antigen Region	345-375

Additional Information

Gene ID	2584
Other Names	Galactokinase, Galactose kinase, GALK1, GALK
Target/Specificity	This GALK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 345-375 amino acids from the C-terminal region of human GALK1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GALK1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

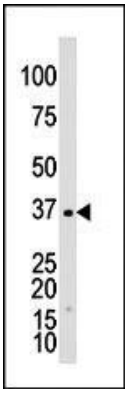
Protein Information

Name	GALK1 (HGNC:4118)
Synonyms	GALK
Function	Catalyzes the transfer of a phosphate from ATP to alpha-D- galactose and participates in the first committed step in the catabolism of galactose.

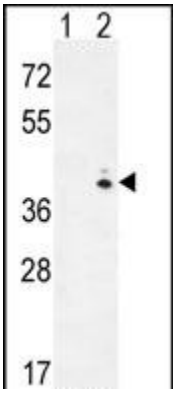
Background

Galactokinase is a major enzyme for the metabolism of galactose and its deficiency causes congenital cataracts in the adult population. GALK1 sequence shares the greatest level of conservation, 44.5% identity with that from E. coli and 34.6% amino acid identity with the product of the human GALK2 gene.

Images



The anti-GALK1 Pab (Cat. #AP7081b) is used in Western blot to detect GALK1 in Y79 cell lysate.



Western blot analysis of GALK1 (arrow) using rabbit polyclonal hGALK1-A360 (Cat. #AP7081b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GALK1 gene.