

产品名称: GALK1 Rabbit Polyclonal Antibody
产品货号: APRab11279



产品概述 (Summary)

产品名称 (Production Name)	GALK1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GALK1
别名 (Alternative Names)	GALK1; GALK; Galactokinase; Galactose kinase
基因 ID (Gene ID)	2584.0
蛋白 ID (SwissProt ID)	P51570.The antiserum was produced against synthesized peptide derived from human GALK1. AA range:1-50

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	45kDa

研究背景 (Background)

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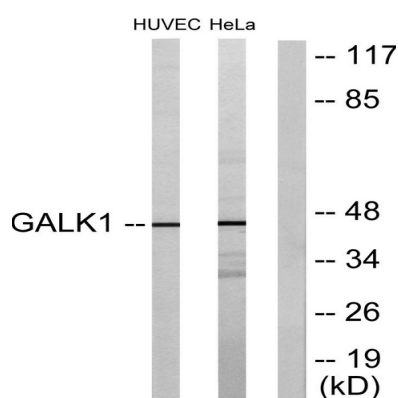


Galactokinase is a major enzyme for the metabolism of galactose and its deficiency causes congenital cataracts during infancy and presenile cataracts in the adult population. [provided by RefSeq, Jul 2008],catalytic activity:ATP + D-galactose = ADP + alpha-D-galactose 1-phosphate.,disease:Defects in 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. GalK subfamily.,

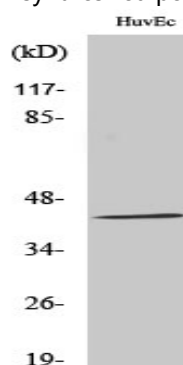
研究领域 (Research Area)

Galactose metabolism;Amino sugar and nucleotide sugar metabolism;

图片 (Image Data)



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



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

注意事项 (Note)

For research use only .