

产品名称: CBG Rabbit Polyclonal Antibody
产品货号: APRab08036



产品概述 (Summary)

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

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)	GBA3
别名 (Alternative Names)	GBA3; CBG; CBGL1; Cytosolic beta-glucosidase; Cytosolic beta-glucosidase-like protein 1
基因 ID (Gene ID)	57733.0
蛋白 ID (SwissProt ID)	Q9H227.The antiserum was produced against synthesized peptide derived from human GBA3. AA range:291-340

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	54-58kDa

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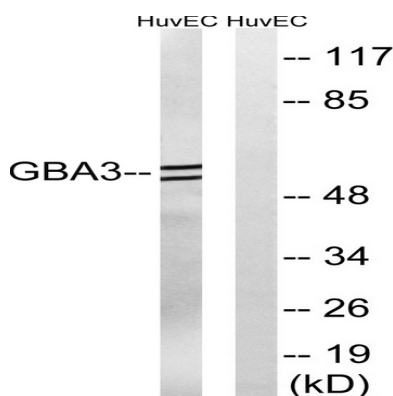
研究背景 (Background)

The protein encoded by this gene is an enzyme that can hydrolyze several types of glycosides. This gene is a polymorphic pseudogene, with the most common allele being the functional allele that encodes the full-length protein. Some individuals, as represented by the reference genome allele, contain a single nucleotide polymorphism that results in a premature stop codon in the coding region, and therefore this allele is pseudogenic due to the failure to produce a functional full-length protein. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Mar 2013], catalytic activity: Hydrolysis of terminal, non-reducing beta-D-glucosyl residues with release of beta-D-glucose., enzyme regulation: Inhibited by 2,4-dinitrophenyl-2-fluoro-2-deoxy-beta-D-glucopyranoside and sodium taurocholate., function: Glycosidase probably involved in the intestinal absorption and metabolism of dietary flavonoid glycosides. Able to hydrolyze a broad variety of glycosides including phytoestrogens, flavonols, flavones, flavanones and cyanogens., PTM: The N-terminus is blocked., similarity: Belongs to the glycosyl hydrolase 1 family., similarity: Belongs to the glycosyl hydrolase 1 family. Klotho subfamily., tissue specificity: Present in small intestine (at protein level). Expressed in liver, small intestine, colon, spleen and kidney. Down-regulated in renal cell carcinomas and hepatocellular carcinomas.,

研究领域 (Research Area)

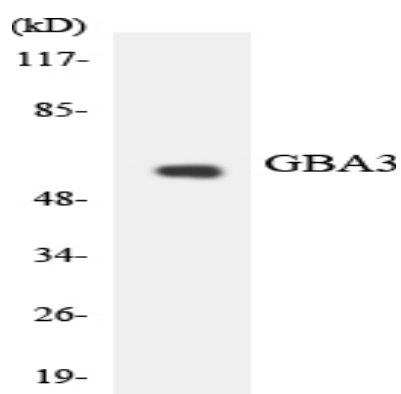
Cyanoamino acid metabolism; Starch and sucrose metabolism;

图片 (Image Data)



Western blot analysis of lysates from HUVEC cells, using GBA3 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HeLa cells using GBA3 antibody.



Western Blot analysis of various cells using CBG Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .