

产品名称: GCS- β -1 Rabbit Polyclonal Antibody
产品货号: APRab11375



产品概述 (Summary)

产品名称 (Production Name)	GCS- β -1 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)	GUCY1B3 GUCY1B3; GUC1B3; GUCSB3; GUCY1B1; Guanylate cyclase soluble subunit
别名 (Alternative Names)	beta-1; GCS-beta-1; Guanylate cyclase soluble subunit beta-3; GCS-beta-3; Soluble guanylate cyclase small subunit
基因 ID (Gene ID)	2983.0
蛋白 ID (SwissProt ID)	Q02153.The antiserum was produced against synthesized peptide derived from human Guanylate Cyclase beta. AA range:10-59

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	70kDa

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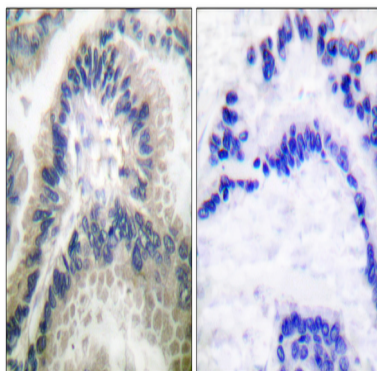
研究背景 (Background)

This gene encodes the beta subunit of the soluble guanylate cyclase (sGC), which catalyzes the conversion of GTP (guanosine triphosphate) to cGMP (cyclic guanosine monophosphate). The encoded protein contains an HNOX domain, which serves as a receptor for ligands such as nitric oxide, oxygen and nitrovasodilator drugs. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014], catalytic activity: GTP = 3',5'-cyclic GMP + diphosphate., cofactor: Binds 1 or 2 heme groups per heterodimer., enzyme regulation: Activated by nitric oxide in the presence of magnesium or manganese ions., miscellaneous: There are two types of guanylate cyclases: soluble forms and membrane-associated receptor forms., similarity: Belongs to the adenylyl cyclase class-4/guanylyl cyclase family., similarity: Contains 1 guanylate cyclase domain., subunit: Heterodimer of an alpha and a beta chain.,

研究领域 (Research Area)

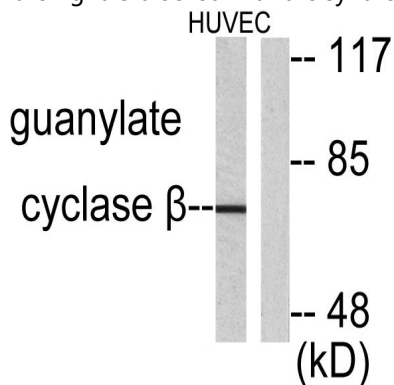
Purine metabolism; Vascular smooth muscle contraction; Gap junction; Long-term depression;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Guanylate Cyclase beta Antibody.

The picture on the right is blocked with the synthesized peptide.



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

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Western Blot analysis of various cells using GCS- β -1 Polyclonal Antibody

注意事项 (Note)

For research use only .