
Summary

Production Name	GCS- α -1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC, WB, ELISA
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	GUCY1A3
Alternative Names	GUCY1A3; GUC1A3; GUCSA3; GUCY1A1; Guanylate cyclase soluble subunit alpha-3; GCS-alpha-3; GCS-alpha-1; Soluble guanylate cyclase large subunit
Gene ID	2982.0
SwissProt ID	Q02108. The antiserum was produced against synthesized peptide derived from human GCS-alpha-1. AA range: 374-423

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000..
Molecular Weight	77kD

Product Name: GCS- α -1 Rabbit Polyclonal Antibody
Catalog #: APRab11374



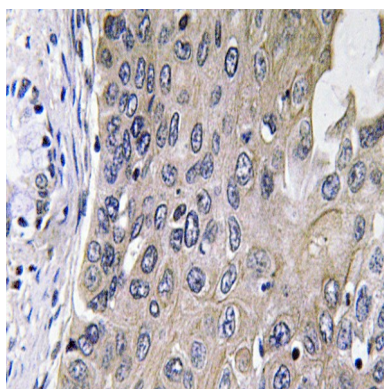
Background

Soluble guanylate cyclases are heterodimeric proteins that catalyze the conversion of GTP to 3',5'-cyclic GMP and pyrophosphate. The protein encoded by this gene is an alpha subunit of this complex and it interacts with a beta subunit to form the guanylate cyclase enzyme, which is activated by nitric oxide. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Jan 2012], catalytic activity: GTP = 3',5'-cyclic GMP + diphosphate., 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.,

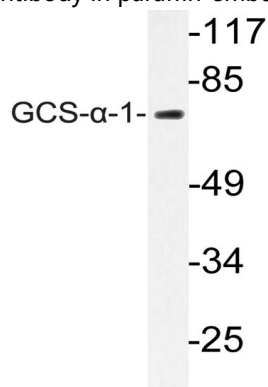
Research Area

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

Image Data

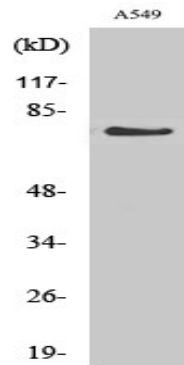


Immunohistochemistry analysis of GCS- α -1 antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from A549 cells, using GCS- α -1 antibody.

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

Note

For research use only.