

## GCS- Alpha-1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP03524
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GCS-alpha-1. AA range:374-423
<b>Mol wt</b>	77452
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	GCS-alpha-1 Antibody
<b>Synonyms</b>	GUCY1A3; GUC1A3; GUCSA3; GUCY1A1; Guanylate cyclase soluble subunit alpha-3; GCS-alpha-3; GCS-alpha-1; Soluble guanylate cyclase large subunit

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

Soluble guanylate cyclases are heterodimeric proteins that catalyze the conversion of GTP to 3',5'-cyclic GMP and pyrophosphate. Guanylate cyclase soluble subunit alpha-3 encoded by GUCY1A3 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.

### Recommended Dilution

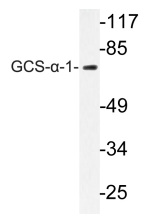
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

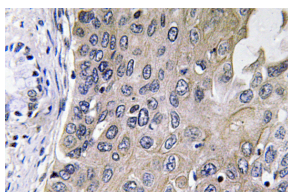
ELISA: 1: 40000

Not yet tested in other applications.

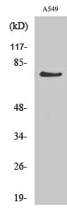
### Images



Western blot analysis of lysate from A549 cells, using GCS- $\alpha$ -1 antibody.



Immunohistochemistry analysis of GCS- $\alpha$ -1 antibody in paraffin-embedded human lung carcinoma tissue.



## Western Blot analysis of various cells using GCS- $\alpha$ -1 Polyclonal Antibody

### Storage

-20°C for one year

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