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GCYA3 Antibody

Rabbit mAb
Catalog # AP92600

Product Information

Application	WB
Primary Accession	Q02108
Reactivity	Human
Clonality	Monoclonal
Other Names	GUCY1A3; GC-S-alpha-1; GUC1A3; GUCA3; GCS-alpha-3; GUCY1A1; GC-SA3; GCS-alpha-1; GUCSA3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	77452

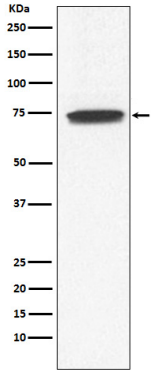
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GCYA3
Description	Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. Contains 1 guanylate cyclase domain.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	GUCY1A1 (HGNC:4685)
Function	Alpha subunit of soluble guanylate cyclase (sGC), a key enzyme in nitric oxide (NO) signaling. sGC functions as a heterodimer consisting of one alpha and one beta subunit. It serves as the primary intracellular receptor for NO, which binds to a heme prosthetic group located on the beta subunit. Upon NO binding, sGC catalyzes the conversion of GTP into cyclic GMP (cGMP), thereby transmitting the NO signal into an ubiquitous intracellular second messenger.
Cellular Location	Cytoplasm.
Tissue Location	Detected in brain cortex and lung (at protein level).

Images



Western blot analysis of GCYA3 expression in Human fetal kidney lysate.

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