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Gucy1b3 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14628

Product Information

Application	WB
Primary Accession	O54865
Other Accession	NM_017469, NP_059497
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70598

Additional Information

Gene ID	54195
Alias Symbol	GC-S-beta-1, GCbeta1
Other Names	Guanylate cyclase soluble subunit beta-1, GCS-beta-1, 4.6.1.2, Guanylate cyclase soluble subunit beta-3, GCS-beta-3, Soluble guanylate cyclase small subunit, Gucy1b3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Gucy1b3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Gucy1b3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

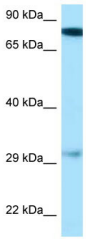
Name	Gucy1b1
Synonyms	Gucy1b3
Function	Beta subunit of soluble guanylate cyclase (sGC), a key enzyme in nitric oxide (NO) signaling. sGC functions as a heterodimer consisting of one alpha and one beta subunit. It serves as the primary intracellular receptor for NO, which binds to a heme prosthetic group 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 {ECO:0000250|UniProtKB:P16068}.

References

Gansemans Y.,et al.Submitted (AUG-1997) to the EMBL/GenBank/DDBJ databases.
Sharina I.G.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:10878-10883(2000).

Images



WB Suggested Anti-Gucy1b3 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.