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Guanylyl Cyclase beta 1 Rabbit mAb

Catalog # AP77074

Product Information

Application	WB, IHC-P
Primary Accession	Q02153
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Guanylyl Cyclase beta 1
Purification	Affinity Chromatography
Calculated MW	70514

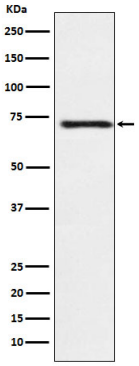
Additional Information

Gene ID	2983
Other Names	GUCY1B1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	GUCY1B1 (HGNC:4687)
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}.
Tissue Location	Detected in brain cortex and cerebellum (at protein level).

Images



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