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Anti-GUCY1B3 Antibody

Rabbit polyclonal antibody to GUCY1B3
Catalog # AP59575

Product Information

Application	WB, IHC
Primary Accession	Q02153
Other Accession	O54865
Reactivity	Human, Mouse, Rat, Pig, Bovine, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70514

Additional Information

Gene ID	2983
Other Names	GUC1B3; GUCSB3; GUCY1B1; Guanylate cyclase soluble subunit beta-1; GCS-beta-1; Guanylate cyclase soluble subunit beta-3; GCS-beta-3; Soluble guanylate cyclase small subunit
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GUCY1B3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

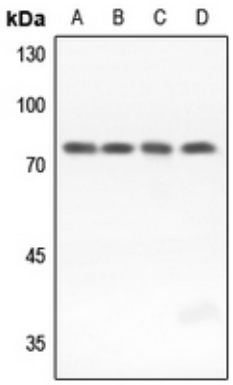
Protein Information

Name	GUCY1B1 (HGNC:4687)
Function	Mediates responses to nitric oxide (NO) by catalyzing the biosynthesis of the signaling molecule cGMP.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:P16068}.
Tissue Location	Detected in brain cortex and cerebellum (at protein level).

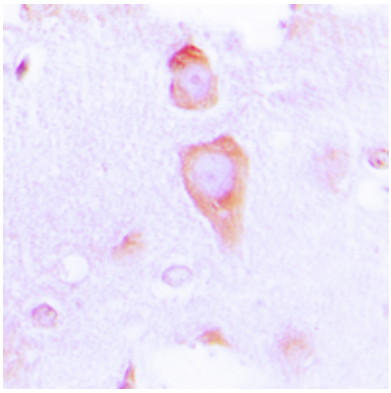
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GUCY1B3. The exact sequence is proprietary.

Images



Western blot analysis of GUCY1B3 expression in mouse lung (A), mouse kidney (B), rat lung (C), rat kidney (D) whole cell lysates.



Immunohistochemical analysis of GUCY1B3 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.