

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8171b**Specification**

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q02153
Other Accession	NP_000848
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	70514
Antigen Region	589-619

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term) - Additional Information**Gene ID** 2983**Other Names**

Guanylate cyclase soluble subunit beta-1, GCS-beta-1, Guanylate cyclase soluble subunit beta-3, GCS-beta-3, Soluble guanylate cyclase small subunit, GUCY1B3, GUC1B3, GUCSB3, GUCY1B1

Target/Specificity

This GUCY1B3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected between 589-619 amino acids of human GUCY1B3.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term) - 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}.

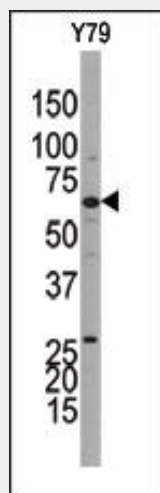
Tissue Location

Detected in brain cortex and cerebellum (at protein level).

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term) - Images

Western blot analysis of anti-GUCY1B3 Pab(AP8171b) in Y79 cell line lysate. GUCY1B3 (arrow) was detected using the purified Pab.

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term) - Background

Soluble guanylate cyclase (sGC), a heterodimeric protein consisting of an alpha and a beta subunit, catalyzes the conversion of GTP to the second messenger cGMP and functions as the main receptor for nitric oxide and nitrovasodilator drugs.

Guanylyl Cyclase beta 1 (GUCY1B3) Antibody (C-term) - References

Russwurm, M., et al., J. Biol. Chem. 276(48):44647-44652 (2001).
Lucas, K.A., et al., Pharmacol. Rev. 52(3):375-414 (2000).
Papapetropoulos, A., et al., J. Cell. Physiol. 167(2):213-221 (1996).
Giulii, G., et al., Hum. Genet. 91(3):257-260 (1993).

Giulii, G., et al., FEBS Lett. 304(1):83-88 (1992).