

GRXCR1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12687c

Specification

GRXCR1 Antibody (Center) - Product Information

Application WB,E
Primary Accession A8MXD5

Other Accession <u>Q50H32</u>, <u>NP 001073945.1</u>

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Mouse
Rabbit
Polyclonal
Rabbit IgG
32294
83-112

GRXCR1 Antibody (Center) - Additional Information

Gene ID 389207

Other Names

Glutaredoxin domain-containing cysteine-rich protein 1, GRXCR1, DFNB25

Target/Specificity

This GRXCR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 83-112 amino acids from the Central region of human GRXCR1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

GRXCR1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GRXCR1 Antibody (Center) - Protein Information

Name GRXCR1

Synonyms DFNB25



Function May play a role in actin filament architecture in developing stereocilia of sensory cells.

Cellular Location

Cell projection, stereocilium. Cell projection, microvillus. Cell projection, kinocilium. Note=In the inner ear, localized to stereocilia, apical microvilli of sensory cells and kinocilia.

Tissue Location

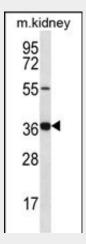
Expressed at low levels in adult lung, brain and duodenum with moderate levels in testis. Highly expressed in fetal cochlea.

GRXCR1 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRXCR1 Antibody (Center) - Images



GRXCR1 Antibody (Center) (Cat. #AP12687c) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the GRXCR1 antibody detected the GRXCR1 protein (arrow).

GRXCR1 Antibody (Center) - Background

This gene is one of 60 loci associated with autosomal-recessive nonsyndromic hearing impairment. This gene encodes a protein which contains GRX-like domains; these domains play a role in the S-glutathionylation of proteins and may be involved in actin organization in hair cells.

GRXCR1 Antibody (Center) - References

Schraders, M., et al. Am. J. Hum. Genet. 86(2):138-147(2010) Hillier, L.W., et al. Nature 434(7034):724-731(2005)





Harrington, J.J., et al. Nat. Biotechnol. 19(5):440-445(2001)