

## **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

## **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**

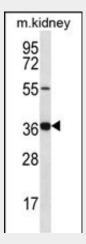
Expressed at low levels in adult lung, brain and duodenum with moderate levels in testis. Highly expressed in fetal cochlea.

## **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)