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GLIPR1 Antibody
Catalog # ASC11743

Specification

GLIPR1 Antibody - Product Information

Application	**WB, IF**
Primary Accession	P48060
Other Accession	NP_006842, 110825980
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 29 kDa** **Observed: 24 kDa KDa**
Application Notes	**GLIPR1 antibody can be used for detection of GLIPR1 by Western blot at 1 - 2 µg/ml. For Immunoflorescence start at 5 µg/mL.**

GLIPR1 Antibody - Additional Information

Gene ID **11010**

Target/Specificity
GLIPR1; GLIPR1 antibody is human and mouse reactive. At least two isoforms of GLIPR1 are known to exist; this antibody will detect both isoforms. This antibody is predicted to not cross-react with other GLIPR or GLIPR-like proteins.

Reconstitution & Storage
GLIPR1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
GLIPR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GLIPR1 Antibody - Protein Information

Name GLIPR1

Synonyms GLIPR, RTVP1

Cellular Location
Membrane; Single-pass membrane protein

Tissue Location
According to PubMed:8973356, it is ubiquitously expressed with high levels in lung and kidney and low levels in heart and liver. Highly expressed in cell lines derived from nervous system tumors arising from glia, low or absent in non-glial-derived nervous system tumor cell lines. Also found in fetal kidney. According to PubMed:7607567 it is expressed only in brain tumor glioblastoma multiforme/astrocytoma and not in other nervous system tumors or normal fetal or adult tissues

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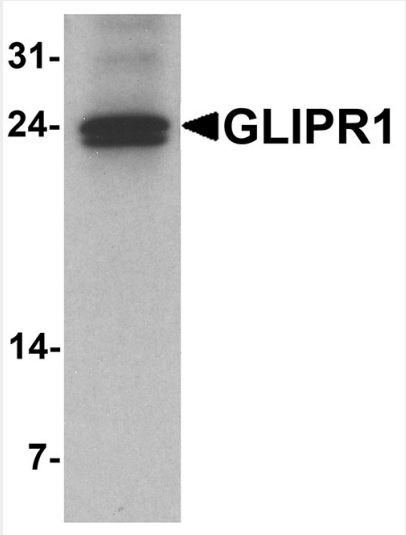
GLIPR1 Antibody - Protocols

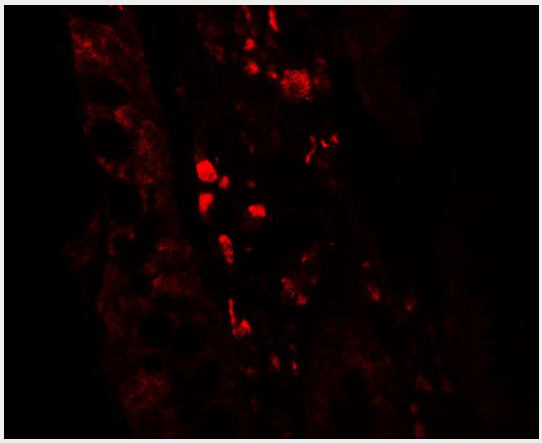
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GLIPR1 Antibody - Images



Western blot analysis of GLIPR1 in mouse small intestine tissue lysate with GLIPR1 antibody at 1 µg/ml.



Immunoflorescence of GLIPR1 in human small intestine tissue with GLIPR1 antibody at 5 µg/mL.

GLIPR1 Antibody - Background

The glioma pathogensis-related protein 1 (GLIPR1) is similar to both the pathogenesis-related

protein (PR) superfamily and the cysteine-rich secretory protein (CRISP) family (1). GLIPR1 is a tumor suppressor whose expression is regulated by p53; its increased expression is associated with myelomocytic differentiation in macrophages, whereas decreased expression of this gene through gene methylation is associated with prostate cancer (2). The GLIPR1 gene is part of a p53 target gene cluster that includes GLIPR1L1 and GLIPR1L2, two highly homologous proteins whose expression patterns vary (3).

GLIPR1 Antibody - References

Murphy EV, Zhang Y, Zhu W, et al. The human glioma pathogenesis-related protein is structurally related to pathogenesis-related proteins and its gene is expressed specifically in brain tumors. Gene 1995; 159:131-5.
Ren C, Li L, Yang G, et al. RTVP-1, a tumor suppressor inactivated by methylation in prostate cancer. Cancer Res. 2004; 64:969-76.
Ren C, Ren CH, Li L, et al. Identification and characterization of RTVP1/GLIPR1-like genes, a novel p53 target gene cluster. Genomics 2006; 88:163-72.