

GLIPR1 Antibody

Catalog # ASC11743

Product Information

Application	WB, IF, E
Primary Accession	P48060
Other Accession	NP_006842 , 110825980
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	30366
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	GLIPR1 antibody can be used for detection of GLIPR1 by Western blot at 1 - 2 μ g/ml. For Immunofluorescence start at 5 μ g/mL.

Additional Information

Gene ID	11010
Other Names	Glioma pathogenesis-related protein 1, GliPR 1, Protein RTVP-1, GLIPR1, GLIPR, RTVP1
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°C for three months and -20°C, stable for up to one year.
Precautions	GLIPR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

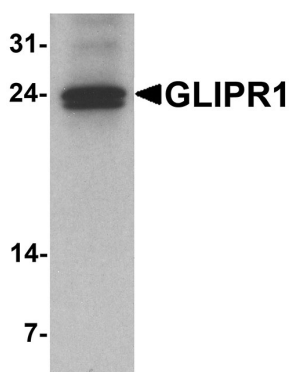
Background

The glioma pathogenesis-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).

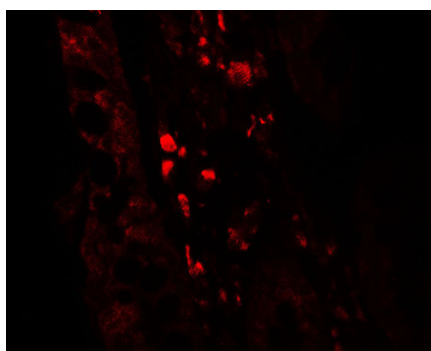
References

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.

Images



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



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

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