

ROS1 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5493

Specification

ROS1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P08922
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=264 KDa
Isotype	Rabbit Ig
Antigen Source	HUMAN

ROS1 Antibody (C-term) - Additional Information

Gene ID 6098

Antigen Region
1744-1777

Other Names

Proto-oncogene tyrosine-protein kinase ROS, Proto-oncogene c-Ros, Proto-oncogene c-Ros-1, Receptor tyrosine kinase c-ros oncogene 1, c-Ros receptor tyrosine kinase, ROS1, MCF3, ROS

Dilution

WB~~1:1000

Target/Specificity

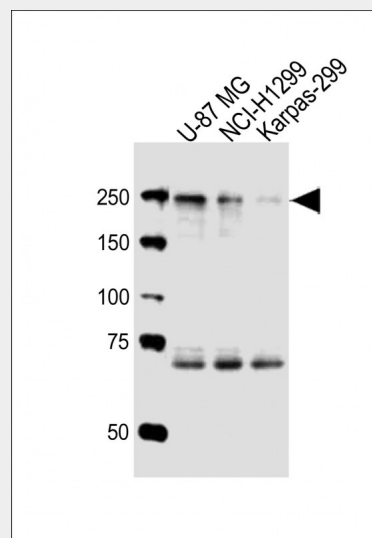
This ROS1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1744-1777 amino acids from the C-terminal region of human ROS1.

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

ROS1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.



All lanes : Anti-ROS1 Antibody (C-term) at 1:1000 dilution
Lane 1: U-87 MG whole cell lysates
Lane 2: NCI-H1299 whole cell lysates
Lane 3: Karpas-299 whole cell lysates
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 264 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ROS1 Antibody (C-term) - Background

Orphan receptor tyrosine kinase (RTK) that plays a role in epithelial cell differentiation and regionalization of the proximal epididymal epithelium. May activate several downstream signaling pathways related to cell differentiation, proliferation, growth and survival including the PI3 kinase-mTOR signaling pathway. Mediates the phosphorylation of PTPN11, an activator of this pathway. May also phosphorylate and activate the transcription factor STAT3 to control anchorage-independent cell growth. Mediates the phosphorylation and the activation of VAV3, a guanine nucleotide exchange factor regulating cell morphology. May activate other downstream signaling proteins including AKT1,

ROS1 Antibody (C-term) - Protein Information**Name** ROS1**Synonyms** MCF3, ROS**Function**

Orphan receptor tyrosine kinase (RTK) that plays a role in epithelial cell differentiation and regionalization of the proximal epididymal epithelium. May activate several downstream signaling pathways related to cell differentiation, proliferation, growth and survival including the PI3 kinase-mTOR signaling pathway. Mediates the phosphorylation of PTPN11, an activator of this pathway. May also phosphorylate and activate the transcription factor STAT3 to control anchorage-independent cell growth. Mediates the phosphorylation and the activation of VAV3, a guanine nucleotide exchange factor regulating cell morphology. May activate other downstream signaling proteins including AKT1, MAPK1, MAPK3, IRS1 and PLCG2.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed in brain. Expression is increased in primary gliomas.

MAPK1, MAPK3, IRS1 and PLCG2.

ROS1 Antibody (C-term) - References

Birchmeier C., et al. Proc. Natl. Acad. Sci. U.S.A. 87:4799-4803(1990).
Mungall A.J., et al. Nature 425:805-811(2003).
Matsushime H., et al. Mol. Cell. Biol. 6:3000-3004(1986).
Birchmeier C., et al. Mol. Cell. Biol. 6:3109-3116(1986).
Watkins D., et al. Cancer Genet. Cytogenet. 72:130-136(1994).

ROS1 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](#)