

## ROS1 Antibody [clone 1843CT776.78.21] (F54089)

Catalog No.	Formulation	Size
F54089-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54089-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	1843CT776.78.21
<b>Purity</b>	Protein G purified
<b>UniProt</b>	P08922
<b>Applications</b>	Western Blot : 1:4000
<b>Limitations</b>	This ROS1 antibody is available for research use only.



Western blot testing of ROS1 antibody at 1:4000 + partial recombinant protein. Predicted molecular weight ~264 kDa.

### Description

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. [UniProt]

## Application Notes

The stated application concentrations are suggested starting points. Titration of the ROS1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Recombinant human ROS1 was used as the immunogen for the ROS1 antibody.

## Storage

Aliquot the ROS1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.