

Datasheet for ABIN7090797
anti-ROS1 antibody



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Overview

Quantity:	100 µL
Target:	ROS1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ROS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant human ROS1.
Clone:	F7Y3
Predicted Reactivity:	Human

Target Details

Target:	ROS1
Alternative Name:	ROS1 (ROS1 Products)
Background:	Synonyms: ROS, ros protein, c ros, c-ros, c ros1, MCF3, Oncogene ROS, OTTHUMP00000040389, Proto oncogene c ros 1 protein, Proto oncogene tyrosine protein kinase ROS, Proto oncogene tyrosine protein kinase ROS precursor, Ros1, ROS1C, Transmembrane tyrosine specific protein kinase, v ros avian UR2 sarcoma virus oncogene homolog 1, v ros UR2 sarcoma virus oncogene homolog 1, ROS1_HUMAN, Proto-oncogene

Target Details

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

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, MAPK1, MAPK3, IRS1 and PLCG2.

Gene ID: 6098

UniProt: [P08922](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months