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Datasheet for ABIN7166498  
**anti-ROS1 antibody (AA 79-248) (HRP)**

### Overview

Quantity:	100 µL
Target:	ROS1
Binding Specificity:	AA 79-248
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROS1 antibody is conjugated to HRP
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Proto-oncogene tyrosine-protein kinase ROS protein (79-248AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	ROS1
Alternative Name:	ROS1 ( <a href="#">ROS1 Products</a> )
Background:	Background: Orphan receptor tyrosine kinase (RTK) that plays a role in epithelial cell differentiation and regionalization of the proximal epididymal epithelium. May activate several

## Target Details

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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.

Aliases: c ros 1 antibody, c ros antibody, c ros oncogene 1 receptor tyrosine kinase antibody, c Ros receptor tyrosine kinase antibody, c ros1 antibody, MCF 3 antibody, MCF3 antibody, Oncogene ROS antibody, OTTHUMP00000017814 antibody, OTTHUMP00000017815 antibody, OTTHUMP00000040389 antibody, Proto oncogene c ros 1 protein antibody, Proto oncogene c Ros antibody, Proto oncogene tyrosine protein kinase ROS antibody, Proto oncogene tyrosine protein kinase ROS precursor antibody, Proto-oncogene c-Ros-1 antibody, Proto-oncogene tyrosine-protein kinase ROS antibody, Receptor tyrosine kinase c ros oncogene 1 antibody, Ros 1 antibody, ROS 1C antibody, ROS antibody, ROS proto oncogene 1 , receptor tyrosine kinase antibody, ROS\_HUMAN antibody, ROS1 antibody, ROS1C antibody, Transmembrane tyrosine specific protein kinase antibody, v ros avian UR2 sarcoma virus oncogene homolog 1 antibody, v ros UR2 sarcoma virus oncogene homolog 1 antibody

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UniProt: [P08922](#)

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Pathways: [RTK Signaling](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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

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Storage: -20 °C,-80 °C

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## Handling

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.