

# ROS1 Rabbit pAb

CatalogNo: [AB0532](#)

## •Main information

<b>Target</b>	ROS1
<b>Reactivity</b>	Human,Mouse,Rat
<b>Applications</b>	IHC,IF
<b>MW (kDa)</b>	258kD (Calculated) 258kD (Observed)
<b>Host Species</b>	Rabbit
<b>Isotype</b>	IgG

## •Recommended Dilutions

IHC 1:50-300  
IF 1:50-300 Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#RH0011)

## •Detailed information

<b>Specificity</b>	ROS1 Polyclonal Antibody detects endogenous levels of protein.
<b>Storage</b>	-15°C to -25°C/1 year(Do not lower than -25°C, Ship by ice bag)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

## •Target Information

**Gene name** ROS1 MCF3 ROS

**Protein Name** 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)

Organism	Gene ID	UniProt ID
Human	<a href="#">6098</a> ;	<a href="#">P08922</a> ;
Mouse	<a href="#">19886</a> ;	<a href="#">Q78DX7</a> ;
Rat	;	<a href="#">Q63132</a> ;

**Cellular Localization** Cell membrane ; Single-pass type I membrane protein .

**Tissue specificity** Expressed in brain. Expression is increased in primary gliomas.

## Function

Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:A chromosomal aberration involving ROS1 is found in glioblastoma multiform (GBM). An homozygous deletion in chromosome 6q21 results in expression of a GOPC-ROS1 chimeric protein which has a constitutive receptor tyrosine kinase activity.,Function:This is probably a cell growth or differentiation factor receptor with a tyrosine-protein kinase activity.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 9 fibronectin type-III domains.,

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## •Validation Data

## •Contact information

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**ROS1 Rabbit pAb**

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