

# ROS1 (Phospho Tyr2114) Rabbit pAb

CatalogNo: YP1613

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, ELISA

### MW

- 258kD (Observed)

### Isotype

- IgG

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

## Recommended Dilution Ratios

**WB 1:1000-2000**

**ELISA 1:5000-20000**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** Synthesized peptide derived from human ROS (Phospho Tyr2114)

**Specificity** This antibody detects endogenous levels of Human, Mouse, Rat ROS (Phospho Tyr2114). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): NDyYR

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## | Target Information

**Gene name** ROS1 MCF3 ROS

**Protein Name** ROS1 (Phospho Tyr2114)

| 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="#">25346;</a> | <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

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**ROS1 (Phospho Tyr2114) Rabbit pAb**

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[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)