



ROS (Phospho Tyr2114) rabbit pAb

Catalog No	YP-Ab-10428
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB; ELISA
Gene Name	ROS1 MCF3 ROS
Immunogen	Synthesized peptide derived from human ROS (Phospho Tyr2114)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat ROS (Phospho Tyr2114)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	c ros 1;c ros;c ros oncogene 1 receptor tyrosine kinase;c Ros receptor tyrosine kinase;c ros1;MCF 3;MCF3;Oncogene ROS;OTTHUMP17814;OTTHUMP17815; OTTHUMP4389;Proto oncogene c ros 1 protein;Proto oncogene c Ros;Proto oncogene tyrosine protein kinase ROS;Proto oncogene tyrosine protein kinase ROS precursor;Proto-oncogene c-Ros-1;Proto-oncogene tyrosine-protein kinase ROS;Receptor tyrosine kinase c ros oncogene 1;Ros 1;ROS 1C;ROS;ROS proto oncogene 1;receptor tyrosine kinase;ROS_HUMAN;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 MCF3 ROS;ROS (Phospho Tyr2114);Proto-oncogene tyrosine-protein kinase ROS (EC 2.7.10.1;Proto-oncogene c-Ros;Receptor tyrosine kinase c-ros oncogene 1;c-Ros receptor tyrosine kinase)
Observed Band	258kD
Calculated Molecular Weight	263KD; 264kD
Cell Pathway	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.,
Background	This proto-oncogene, highly-expressed in a variety of tumor cell lines, belongs to the sevenless subfamily of tyrosine kinase insulin receptor genes. The protein encoded by this gene is a type I integral membrane protein with tyrosine kinase activity. The protein may function as a growth or differentiation factor receptor. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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