



ROS1 (phospho-Tyr2274) rabbit pAb

Catalog No	YP-Ab-10402
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IF
Gene Name	ROS1 MCF3 ROS
Immunogen	Synthesized phosho peptide around human ROS1 (Tyr2274)
Specificity	This antibody detects endogenous levels of Human ROS1 (phospho-Tyr2274)
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. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ROS1;ROS1 MCF3 ROS;ROS1 (Tyr2274);Proto-oncogene tyrosine-protein kinase ROS (EC 2.7.10.1) (Proto-oncogene c-Ros) (Proto-oncogene c-Ros-1) (Receptor tyrosine kinase c-ros oncogene 1) (c-Ros receptor tyrosine kinase)
Observed Band	258kD
Calculated Molecular Weight	258kD
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],

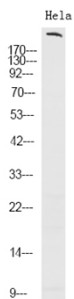
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of HeLa using primary antibody at 1:1000 dilution 4°C, overnight. Secondary antibody(catalog#:RS23920) was diluted at 1:10000 25 °C, 1.5hours