Product name:	ROS1 (phospho-Tyr2274) Rabbit Polyclonal Antibody
Cat number:	ABN05380
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized phosho peptide around human ROS1 (Tyr2274)
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:1000-1:2000,ICC/IF 1:50-1:200
Molecular Weight:	258kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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],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.,