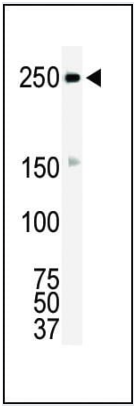
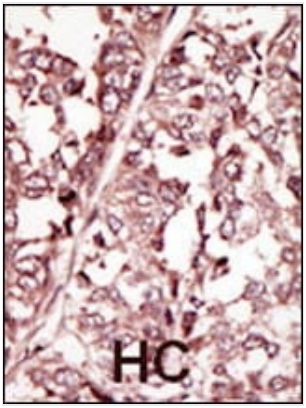
ROS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ROS1, Polyclonal Antibody
Full Product Name	ROS1, NT (Proto-oncogene Tyrosine-protein Kinase ROS, Proto-oncogene c-Ros-1)
Product Synonym Names	Anti -ROS1, NT (Proto-oncogene Tyrosine-protein Kinase ROS, Proto-oncogene c-Ros-1)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein G affinity chromatography.
Specificity	Recognizes human ROS.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	Synthetic peptide corresponding to between aa33~63 of the N-terminal region of human ROS conjugated to KLH (P08922).
Product Categories/Family for anti-ROS1 antibody	Antibodies; Abs to Protein Kinases
Applications Tested/Suitable for anti-ROS1 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-ROS1 antibody	Suitable for use in ELISA, Western Blot, Immunofluorescence, and Immunohistochemistry. Dilution: ELISA: 1:1,000 Western Blot: 1:100-1:500 Immunohistochemistry (paraffin): 1:50-1:100 Immunofluorescence: 1:10-1:50
Related Product Information for anti-ROS1 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).
Other Notes	Small volumes of anti-ROS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ROS1 purchase	MBS625910 is an antibody targeting ROS1. Also known as ROS1, NT (Proto-oncogene Tyrosine-protein Kinase ROS, Proto-oncogene c-Ros-1). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ROS1 antibody
Western blot analysis of MBS625910 in HL-60 cell lysate. ROS (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry (IHC) of anti-ROS1 antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with MBS625910, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ROS1. It may not necessarily be applicable to this product.

NCBI GI #	30909281
NCBI Official Full Name	ROS1
Protein Family	Protein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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