

ROS1 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50238

Clone# BP6215

Predicted Molecular Wt: 264kDa

Purity: ProA affinity purified IgG

Species Cross-reactivity: Human

Form: Liquid

Applications: IHC-P

Swissprot ID: P08922

Background:

ROS1, an orphan receptor tyrosine kinase of the insulin receptor family, was initially identified as a homolog of v-ros from the UR2 sarcoma virus. ROS1 consists of a large extracellular domain that is composed of six fibronectin repeats, a transmembrane domain, and an intracellular kinase domain. While the function of ROS1 is undefined, it has been shown to play an important role in differentiation of epididymal epithelium. The first oncogenic fusion of ROS1, FIG-ROS1, was initially identified by research studies in glioblastoma. Investigators have found additional oncogenic ROS1 fusion proteins in NSCLC (at a frequency of ~1.6%), where the ROS1 kinase domain is fused to the amino-terminal region of a number of different proteins, including CD74 and SLC34A2.

Subcellular location:

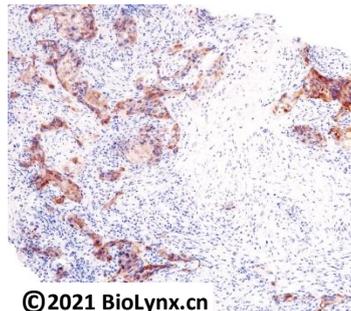
Cytoplasm

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Recombinant protein fragment of human ROS1.



© 2021 BioLynx.cn

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ROS1+ lung carcinoma tissue labelling ROS1 with BP6215. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-25°C to -18°C

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Matsushime, H. et al. (1986) Mol Cell Biol 6, 3000-4.
2. Charest, A. et al. (2003) Genes Chromosomes Cancer 37, 58-71.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.