

ROS1 (ZR400)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant fragment corresponding to the cytoplasmic domain of human ROS1 protein
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: ROS1 (ZR400) Rabbit Monoclonal primary antibody detects ROS1 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain ROS1 protein.

Localization: cell surface.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: 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 composed of nine fibronectin repeats, a transmembrane domain, and an intracellular kinase domain. While the function of ROS1 is undefined, it has been shown to play an essential role in the 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 up to ~2.6%), where the ROS1 kinase domain is fused to the C-terminal region of a number of different proteins, including CD74, SLC34A2, and many others.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Ma L et al. Oncotarget 2017; 8:4125-4135.
2. Sholl LM et al: Am J Surg Pathol 2013; 37:1441-1449

REF Z2756RL/ Z2756RS/ Z2756RT/ Z2756RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)




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RUO
(research
use only)

LOT
(lot number)

REF
(catalogue
number)


(expiry date)


(temperature
limit)


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Instructions
for Use)