Recombinant ROS1 Antibody

Rabbit Monoclonal Antibody [Clone ROS1/8268R]

Catalog No	Format	Size
6098-RBM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6098-RBM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6098-RBM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

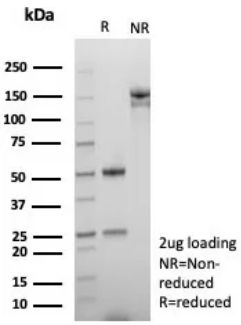
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

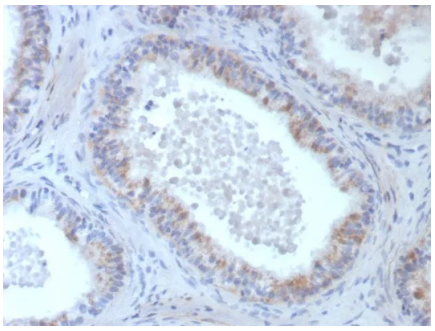
Clone	ROS1/8268R
Immunogen	Recombinant fragment (around aa1945-2347) of the human ROS1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	263.91kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Human brain|lung carcinoma or primary glioblastoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant ROS1 Antibody



SDS-PAGE Analysis of Purified ROS1 Recombinant Rabbit Monoclonal Antibody (ROS1/8268R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human epididymis stained with ROS1 Recombinant Rabbit Monoclonal Antibody (ROS1/8268R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.