

Datasheet for ABIN6243980

anti-ROS1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	ROS1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ROS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ROS1 antibody is generated from a mouse immunized with a recombinant protein of human ROS1.
Clone:	1843CT776-78-21
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	ROS1
Alternative Name:	ROS1 (ROS1 Products)
Background:	Orphan receptor tyrosine kinase (RTK) that plays a role in epithelial cell differentiation and regionalization of the proximal epididymal epithelium. May activate several downstream signaling pathways related to cell differentiation, proliferation, growth and survival including the

Target Details

PI3 kinase-mTOR signaling pathway. Mediates the phosphorylation of PTPN11, an activator of this pathway. May also phosphorylate and activate the transcription factor STAT3 to control anchorage-independent cell growth. Mediates the phosphorylation and the activation of VAV3, a guanine nucleotide exchange factor regulating cell morphology. May activate other downstream signaling proteins including AKT1, MAPK1, MAPK3, IRS1 and PLCG2.

Molecular Weight: 263915

UniProt: [P08922](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: IHC: 1:250. WB: 1:4000

Restrictions: For Research Use only

Handling

Format: Liquid

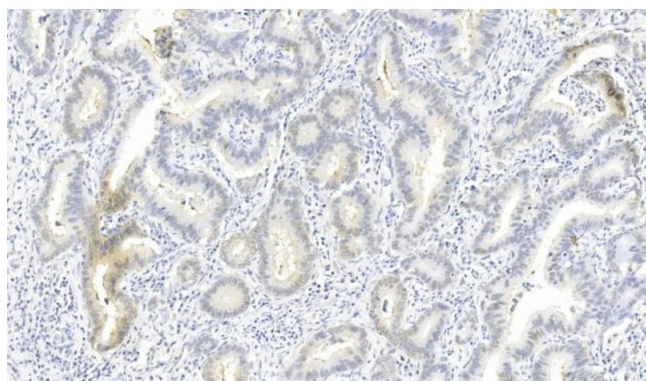
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

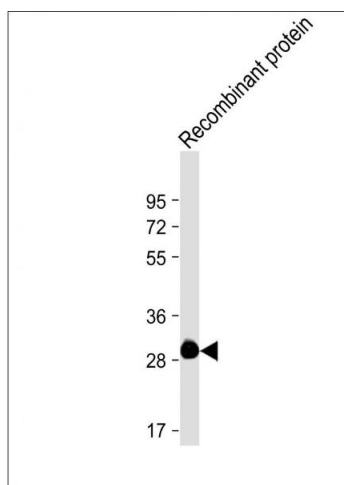
Storage: 4 °C, -20 °C

Expiry Date: 6 months



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded Human Lung adenocarcinoma section using Pink1 (ABIN6243980 and ABIN6577274). (ABIN6243980 and ABIN6577274) was diluted at 1:250 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western Blotting

Image 2. Anti-ROS1 Antibody at 1:4000 dilution + Recombinant protein Lysates/proteins at 20 ng per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 264 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.