

Anti-ROS1 Antibody (C-term)

Catalog Number: A04186-1

About ROS1

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 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.

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Overview

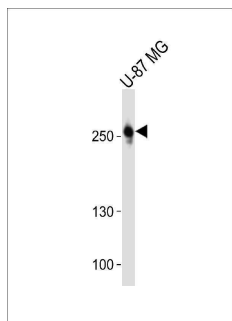
Product Name	Anti-ROS1 Antibody (C-term)
Reactive Species	Human
Description	Boster Bio Anti-ROS1 Antibody (C-term) (Catalog # A04186-1). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P08922

Technical Details

Immunogen	This ROS1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1744-1777 amino acids from the C-terminal region of human ROS1.
Predicted Reactive Species	Monkey, Mouse, Pig, Rabbit, Rat

Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:1000

Anti-ROS1 Antibody (C-term) (A04186-1) Images



Western blot analysis of lysate from U-87 MG cell line, using ROS1 Antibody (C-term). A04186-1 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

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