

Anti-ROS1 antibody [4-6G] ab108492

★★★★☆ [3 Abreviews](#) [5 References](#)

Overview

Product name	Anti-ROS1 antibody [4-6G]
Description	Mouse monoclonal [4-6G] to ROS1
Host species	Mouse
Tested applications	Suitable for: IHC-Fr, IHC-P, IP, ICC/IF, Flow Cyt, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to ROS1. Extracellular portion of ROS amino acid 1-285 fused to Fc, transiently expressed in 293 cells and purified using PtnA column chromatography.
Positive control	Cells transiently expressing human ROS1, mouse cells expressing human ROS1.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	4-6G
Myeloma	Sp2
Isotype	IgG1

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab108492 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr	★★★★★ (3)	Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration.

Target

Function

This is probably a cell growth or differentiation factor receptor with a tyrosine-protein kinase activity.

Tissue specificity

Expressed in brain. Expression is increased in primary gliomas.

Involvement in disease

Note=A chromosomal aberration involving ROS1 is found in a glioblastoma multiforme sample. An intra-chromosomal deletion del(6)(q21q21) is responsible for the formation of GOPC-ROS1 chimeric protein which has a constitutive receptor tyrosine kinase activity.

Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 9 fibronectin type-III domains.
Contains 1 protein kinase domain.

Cellular localization

Membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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