Anti-ROS1 antibody [4-6G] ab108492

Overview

Product name: Anti-ROS1 antibody [4-6G]
Description: Mouse monoclonal [4-6G] to ROS1
Host species: Mouse
Tested applications: Suitable for: Flow Cyt, IHC-Fr, ICC/IF, IHC-P, IP, WB
Species reactivity: Reacts with: Human
Immunogen: 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.

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: Constituent: PBS
Purity: Protein A/G purified
Clonality: Monoclonal
Clone number: 4-6G
Myeloma: Sp2
Isotype: IgG1

Applications

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.

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**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.

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**Target**

**Application** | **Abreviews** | **Notes**
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Flow Cyt | Use at an assay dependent concentration. **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr | Use at an assay dependent concentration.
ICC/IF | Use at an assay dependent concentration.
IHC-P | Use at an assay dependent concentration.
IP | Use at an assay dependent concentration.
WB | Use at an assay dependent concentration. Predicted molecular weight: 264 kDa.

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

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