

MRAS Rabbit mAb
Catalog # AP76598**Specification**

MRAS Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	O14807
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	23846

MRAS Rabbit mAb - Additional Information**Gene ID** 22808**Other Names**
MRAS**Dilution**
WB~~1/500-1/1000
IP~~1/20**Format**
Liquid**MRAS Rabbit mAb - Protein Information****Name** MRAS**Synonyms** RRAS3**Function**

Signal transducer in the Ras-MAPK signaling pathway that regulates cell proliferation and survival (PubMed:16630891, PubMed:28289718, PubMed:35768504, PubMed:35830882, PubMed:35831509, PubMed:36175670). Core component of the SHOC2-MRAS-PP1c (SMP) holophosphatase complex that regulates the MAPK pathway activation (PubMed:16630891, PubMed:35768504, PubMed:35830882, PubMed:35831509, PubMed:36175670). The formation of the SMP complex only occurs when MRAS is GTP-bound (PubMed:35768504).

target="_blank">35768504, PubMed:35830882, PubMed:35831509, PubMed:36175670, PubMed:39809765). MRAS has low intrinsic GTPase activity and may require additional factors for activation (PubMed:39809765). The SMP complex specifically dephosphorylates the inhibitory phosphorylation at 'Ser-259' of RAF1 kinase, 'Ser-365' of BRAF kinase and 'Ser-214' of ARAF kinase, stimulating their kinase activities (PubMed:16630891, PubMed:35768504, PubMed:35830882, PubMed:35831509, PubMed:36175670).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side

Tissue Location

Expression highly restricted to the brain and heart

MRAS Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MRAS Rabbit mAb - Images



