

Product datasheet for **CF502864**

MRAS Mouse Monoclonal Antibody [Clone ID: OTI3C4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3C4
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MRAS (NP_036351) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23.7 kDa
Gene Name:	muscle RAS oncogene homolog
Database Link:	NP_036351 Entrez Gene 22808 Human Q14807



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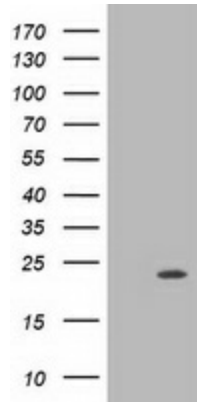
Background: Members of the RAS superfamily of GTP-binding proteins, which includes MRAS, are membrane-anchored, intracellular signal transducers responsible for a variety of normal cellular functions. They are oncogenically activated in a significant fraction of tumors. [supplied by OMIM]

Synonyms: M-RAS; R-RAS3; RRAS3

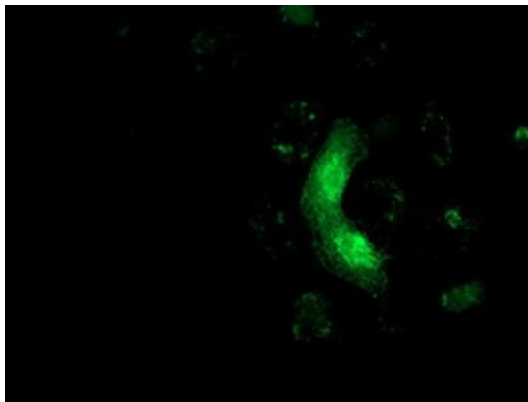
Protein Families: Druggable Genome

Protein Pathways: MAPK signaling pathway, Regulation of actin cytoskeleton, Tight junction

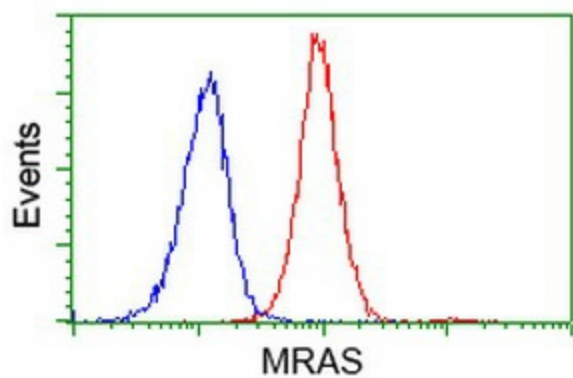
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MRAS (Cat# [RC212259], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MRAS(Cat# [TA502864]). Positive lysates [LY415896] (100ug) and [LC415896] (20ug) can be purchased separately from OriGene.



Anti-MRAS mouse monoclonal antibody ([TA502864]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MRAS ([RC212259]).



Flow cytometric Analysis of Jurkat cells, using anti-MRAS antibody (TA502864), (Red), compared to a nonspecific negative control antibody, (Blue).