Mouse Anti-NRAS [MD65]: MC0460, MC0460RTU7

Intended Use: For Research Use Only

Description: This is an N-ras oncogene encoding a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. The encoded protein, which has intrinsic GTPase activity, is activated by a guanine nucleotide-exchange factor and inactivated by a GTPase activating protein. Mutations in this gene have been associated with somatic rectal cancer, follicular thyroid cancer, autoimmune lymphoproliferative syndrome, Noonan syndrome, and juvenile myelomonocytic leukemia.

Specifications

Clone:	MD65
Source:	Mouse
Isotype:	IgG1
Reactivity:	Human, rat
Immunogen:	Recombinant fragment of human N-Ras p21
Localization:	Cell membrane, lipid-anchor; cytoplasmic side; Golgi apparatus membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, IF, IP, WB

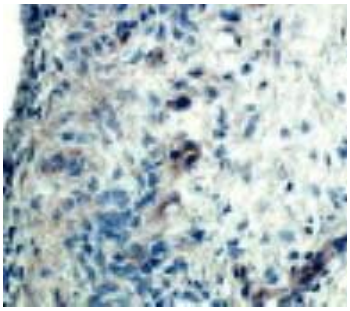
Package:

Description	Catalog No.	Size
NRAS Concentrated	MC0460	1 ml
NRAS Prediluted	MC0460RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Colon adenocarcinoma, liver cancer
Concentrated Dilution:	25-100
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes at RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human rheumatoid arthritis synovial tissue with stained with anti-N-Ras using DAB

References:

1. Loss of miR-143 and miR-145 in condyloma acuminatum promotes cellular proliferation and inhibits apoptosis by targeting NRAS. Liu X, et al. R Soc Open Sci 5:172376, 2018.
2. Alternative Polyadenylation in Triple-Negative Breast Tumors Allows NRAS and c-JUN to Bypass PUMILIO Posttranscriptional Regulation. Miles WO, et al. Cancer Res 76:7231-7241, 2016.
3. BRAF(V600E) and NRAS(Q61L/Q61R) mutation analysis in metastatic melanoma using immunohistochemistry: a study of 754 cases highlighting potential pitfalls and guidelines for interpretation and reporting. Kakavand H, et al. Histopathology 69:680-6, 2016.

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