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NRAS Antibody (N-term)

Mouse Monoclonal Antibody (Mab)
Catalog # AW5189

Product Information

Application	WB
Primary Accession	P01111
Other Accession	Q04970, Q2MJK3, P08556, Q5F352
Reactivity	Human
Predicted	Mouse, Rat, Chicken
Host	Mouse
Clonality	Monoclonal
Calculated MW	21229
Isotype	IgG1
Antigen Source	Human

Additional Information

Gene ID	4893
Antigen Region	70-101
Other Names	GTPase NRas; Transforming protein N-Ras;NRAS; HRAS1
Dilution	WB~~1:1000
Target/Specificity	This NRAS antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 70-101 amino acids from the N-terminal region of human NRAS.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NRAS Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NRAS
Synonyms	HRAS1

Function	Signal transducer in the Ras-MAPK signaling pathway that regulates cell proliferation and survival (PubMed:30712867). Ras proteins bind GDP/GTP and possess intrinsic GTPase activity (PubMed:30712867). Recognized by LZTR1 that mediates its ubiquitination by a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex (PubMed:40934300).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor Note=Shuttles between the plasma membrane and the Golgi apparatus

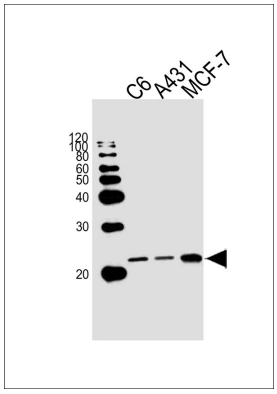
Background

Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.

References

Hall A. et al. Nucleic Acids Res. 13:5255-5268(1985).

Images



Western blot analysis of lysates from rat C6,A431,MCF-7 cell line (from left to right), using NRAS Antibody (N-term)(Cat. #AW5189). AW5189 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.