

Anti-NRAS Rabbit pAb



WL04238

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-NRAS Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC, IF	1:100-1:500
Cellular localization	Cell membrane, Golgi apparatus.	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

NRAS, Also known as N-ras and NRAS1, it is a homolog of the neuroblastoma ras virus (v-ras) oncogene in the mammalian ras gene family and a member of the small GTPase superfamily. NRAS encodes small GTPases, which regulate cell cycle, proliferation, maturation, and differentiation by transducing signals from membrane localized receptor tyrosine kinases to the nucleus. NRAS plays an important role in EGFR mediated RAS/RAF/MEK/ERK and PI3K/AKT/mTOR signaling pathways. NRAS, as a proto oncogene, has also been shown to be associated with the tumor immune microenvironment (TIM) both in vivo and in vitro. The mutation of NRAS leads to sustained activation of Ras GTP, thereby promoting tumor occurrence and metastasis. NRAS plays a negative prognostic role in many somatic malignancies, such as melanoma, colorectal cancer, and hepatocellular carcinoma.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of NRAS.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

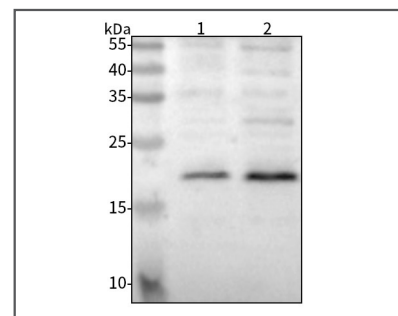
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Product Images



Western blot-Anti-NRAS pAb

Lane 1: Human TPC-1 cell lysate

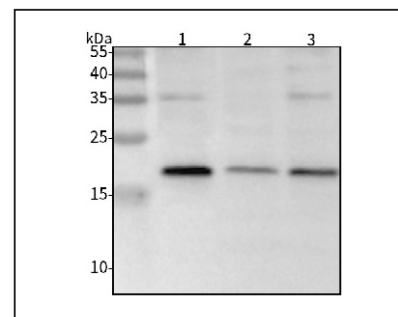
Lane 2: Mouse Hepa1-6 cell lysate

All lanes: Anti-NRAS at 1:2000 dilution

Lysates/proteins at 20-50 μg per lane

Predicted band size: 21 kDa

Observed band size: 21 kDa



Western blot-Anti-NRAS pAb

Lane 1: Mouse liver tissue lysate

Lane 2: Rat lung tissue lysate

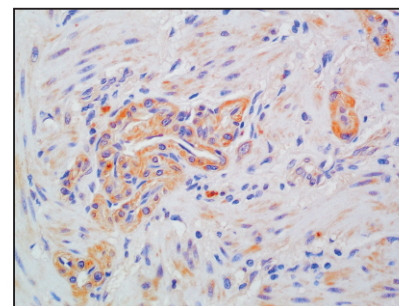
Lane 3: Rat colon tissue lysate

All lanes: Anti-NRAS at 1:2000 dilution

Lysates/proteins at 20-50 μg per lane

Predicted band size: 21 kDa

Observed band size: 21 kDa



Immunohistochemistry-Anti-NRAS pAb

Immunohistochemical analysis of paraffin-embedded human stomach cancer using anti-NRAS Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

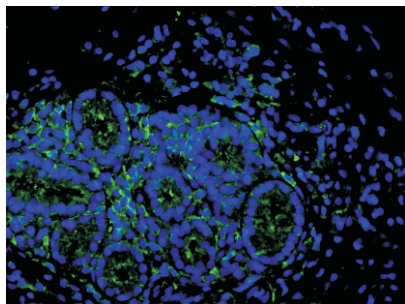
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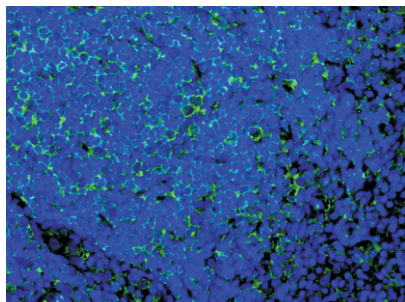
Product Information



Immunofluorescence-Anti-NRAS pAb

Immunofluorescence analysis of paraffin-embedded human nasal mucosa using anti-NRAS Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-NRAS pAb

Immunofluorescence analysis of paraffin-embedded rat lymph gland using anti-NRAS Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0