

## N/H/K-Ras Polyclonal Antibody

Catalog No :	YT2960
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	N/H/K-Ras
Fields :	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>MAPK signaling pathway;>>ErbB signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Chemokine signaling pathway;>>FoxO signaling pathway;>>Sphingolipid signaling pathway;>>Phospholipase D signaling pathway;>>Mitophagy - animal;>>Autophagy - animal;>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>Apoptosis;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>Cellular senescence;>>Axon guidance;>>VEGF signaling pathway;>>Apelin signaling pathway;>>Gap junction;>>Signaling pathways regulating pluripotency of stem cells;>>C-type lectin receptor signaling pathway;>>Natural killer cell mediated cytotoxicity;>>T cell receptor signaling pathway;>>B cell receptor signaling pathway;>>Fc epsilon RI signaling pathway;>>Thermogenesis;>>Long-term potentiation;>>Neurotrophin signaling pathway;>>Cholinergic synapse;>>Serotonergic synapse;>>Long-term depression;>>Regulation of actin
Gene Name :	NRAS/HRAS/KRAS
Protein Name :	GTPase Nras/GTPase Hras/GTPase Kras
Human Gene Id :	3265/3845/4893
Human Swiss Prot No :	P01111/P01112/P01116
Mouse Gene Id :	15461/16653
Rat Gene Id :	24605/293621/24525
Rat Swiss Prot No :	Q04970/P20171/P08644
Immunogen :	The antiserum was produced against synthesized peptide derived from human RASH/RASK. AA range:1-50

**Specificity :** N/H/K-Ras Polyclonal Antibody detects endogenous levels of N/H/K-Ras protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Source :** Polyclonal, Rabbit,IgG

**Dilution :** WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000. IF 1:100-300 Not yet tested in other applications.

**Purification :** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 21kD

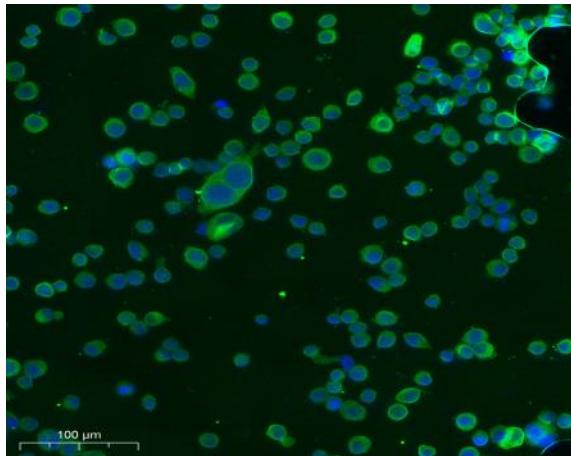
**Cell Pathway :** MAPK\_ERK\_Growth;MAPK\_G\_Protein;ErbB\_HER;Chemokine;Axon guidance;VEGF;Tight junction;Gap junction;Natural killer cell mediated cytotoxicity;T\_Cell\_Receptor;B\_Cell\_Antigen;Fc epsilon RI;Long-term potent

**Background :** 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. [provided by RefSeq, Jun 2011],

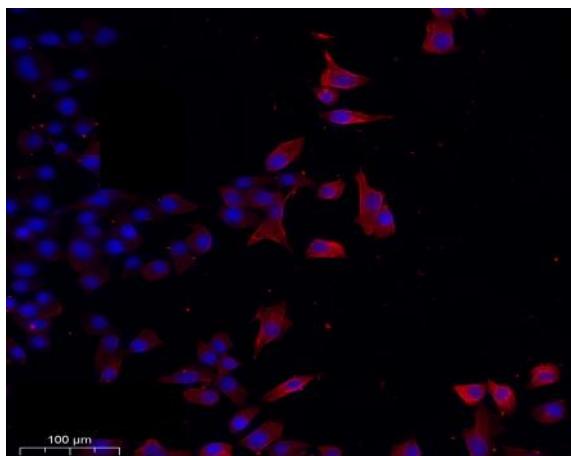
**Function :** disease:Defects in NRAS are a cause of juvenile myelomonocytic leukemia (JMML) [MIM:607785]. JMML is a pediatric myelodysplastic syndrome that constitutes approximately 30% of childhood cases of myelodysplastic syndrome (MDS) and 2% of leukemia.,disease:Mutations which change AA 12, 13 or 61 activate the potential of Ras to transform cultured cells and are implicated in a variety of human tumors.,enzyme regulation:Alternate between an inactive form bound to GDP and an active form bound to GTP. Activated by a guanine nucleotide-exchange factor (GEF) and inactivated by a GTPase-activating protein (GAP).,function:Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.,online information:NRAS mutation db,online information:RAS proteins entry,PTM:Palmitoylated by the ZDHHC9-GOLGA7 complex. A continuous cycle of de- and re-palmitoylation regulates rapid exchange between plasma membran

<b>Subcellular Location :</b>	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Golgi apparatus membrane ; Lipid-anchor . Shuttles between the plasma membrane and the Golgi apparatus .
<b>Expression :</b>	Bone marrow,Bone-marrow,Brain,Fibrosarcoma,Kidney,Leukemia,Lung car
<b>Tag :</b>	orthogonal,hot
<b>Sort :</b>	1
<b>No3 :</b>	ab191595
<b>No4 :</b>	1

### Products Images



Immunofluorescence analysis of Siha cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 488 Secondary antibody (catalog No:RS3211) was diluted at 1:500(room temperature, 50min).



Immunofluorescence analysis of Siha cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 594 Secondary antibody(catalog No: RS3611) was diluted at 1:500(room temperature, 50min).

**L929 rat-musle**