

N/H/K-Ras Polyclonal Antibody

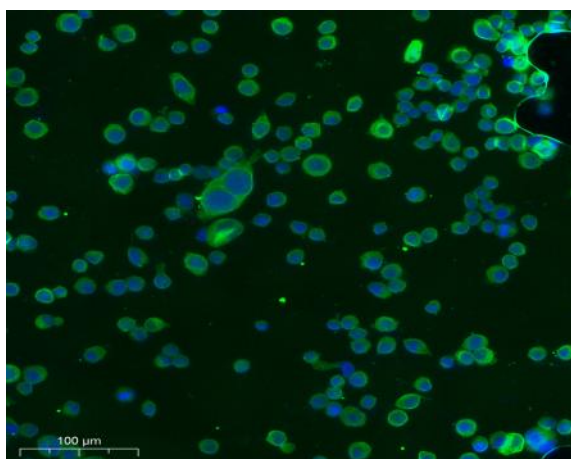
Catalog No :	YT2960
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	N/H/K-Ras
Fields :	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>MAPK signaling pathway;>>ErbB signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Chemokine signaling pathway;>>FoxO 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

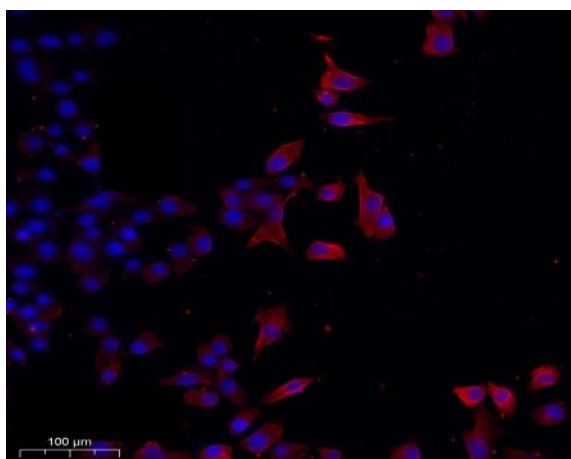
Subcellular Location : Cell membrane ; Lipid-anchor ; Cytoplasmic side . Golgi apparatus membrane ; Lipid-anchor . Shuttles between the plasma membrane and the Golgi apparatus. .

Expression : Bone marrow,Bone-marrow,Brain,Fibrosarcoma,Kidney,Leukemia,Lung car

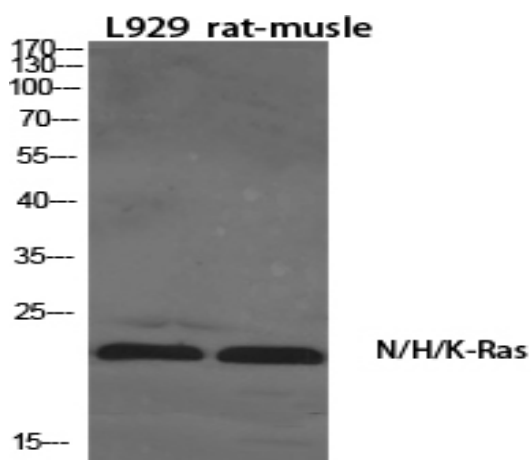
Products Images



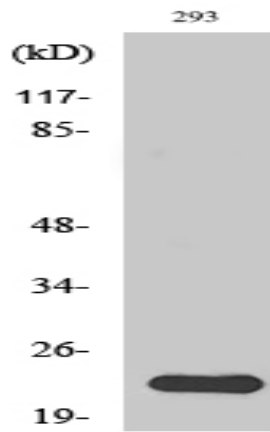
Immunofluorescence analysis of Siha cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 488 Secondary antibody (catalog No:RS3211) was diluted at 1:500(room temperature, 50min).



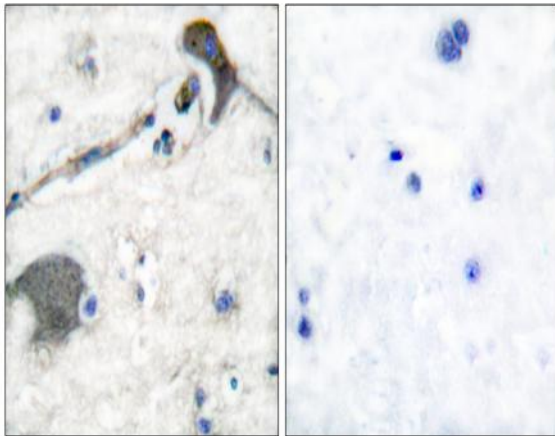
Immunofluorescence analysis of Siha cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 594 Secondary antibody(catalog No: RS3611) was diluted at 1:500(room temperature, 50min).



Western Blot analysis of various cells using N/H/K-Ras Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 293 cells using N/H/K-Ras Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using RASH/RASK Antibody. The picture on the right is blocked with the synthesized peptide.