

Anti-Ras Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

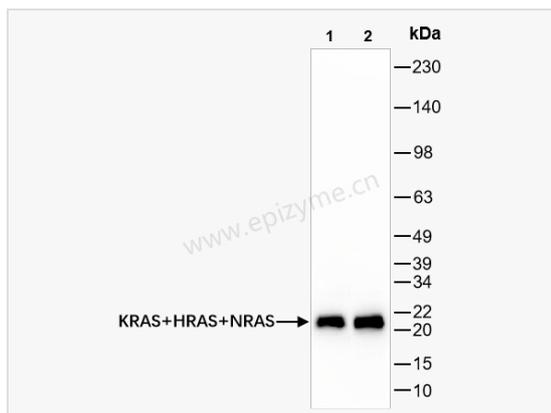
Catalog # R015882

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	28P24A51
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human KRAS+HRAS+NRAS
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Ras Rabbit mAb [28P24A51] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	HRAS1; HRAS; GTPase HRas; H-Ras-1; Ha-Ras; Transforming protein p21; c-H-ras; p21ras.
Calculated MW	Calculated MW: 21.22 kDa; Observed MW: 21.22 kDa
Uniprot ID	P01111, P01112, P01116
Gene ID	4893, 3265, 3845
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]
Cellular Location	Cell membrane.Lipid-anchor.Cytoplasmic side.Golgi apparatus.Golgi apparatus membrane.Lipid-anchor.The active GTP-bound form is localized most strongly to membranes than the inactive GDP-bound form (By similarity). Shuttles between the plasma membrane and the Golgi apparatus..Isoform 2.Nucleus.Cytoplasm.Cytoplasm.Perinuclear region.Colocalizes with RACK1 to the perinuclear region.
Tissue Location	Widely expressed.



Western Blot - Anti-Ras Rabbit mAb [28P24A51]

All lanes: R015882 at 1:1,000 dilution

Lane 1: Mouse brain whole tissue lysates

Lane 2: Rat brain whole tissue lysates

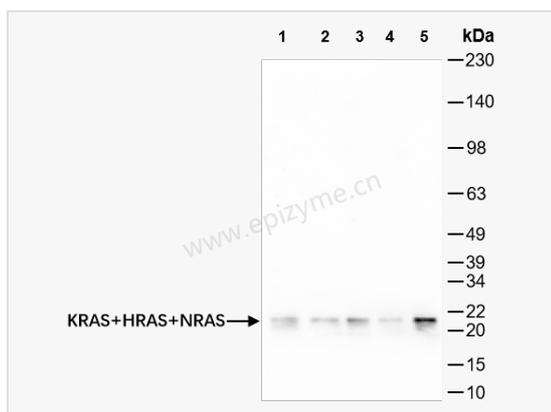
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 21.22 kDa

Observed band size: 21.22 kDa

Developed using the ECL technique (Cat. No. SQ201).



Western Blot - Anti-Ras Rabbit mAb [28P24A51]

All lanes: R015882 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 5: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 21.22 kDa

Observed band size: 21.22 kDa

Developed using the ECL technique (Cat. No. SQ201).