

30-1365: Anti-H-Ras Monoclonal Antibody (Clone:H-RAS-03)

Clonality :	Monoclonal
Clone Name :	H-RAS-03
Application :	WB
Reactivity :	Human
Gene :	HRAS
Gene ID :	3265
Uniprot ID :	P01112
Format :	Purified
Alternative Name :	HRAS,HRAS1
Isotype :	Mouse IgG1
Immunogen Information :	Peptide corresponding to amino acids DIHQYREQIKRVKDSDDC of human H-Ras protein

Description

H-Ras is one of three ubiquitously isoforms of Ras GTPase that operate at the intracellular leaflet of the plasma membrane to regulate multiple signal transduction pathways, such as mitogen-activated protein kinase (MAPK) cascade. H Ras is anchored to the plasma membrane by farnesyl and two palmitoyl residues. GTP loading decreases H-Ras affinity for lipid rafts and allows the protein to target to nonraft microdomains, the primary sites of H-Ras signaling. Sos protein and other guanine nucleotide-exchange factors catalyze dissociation of GDP from Ras. Besides its roles in the plasma membrane, active H-Ras also diffuses through the cytoplasm on nanoparticles termed rasosomes, which is dependent on Ras palmitoylation.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Western blotting: Recommended dilution: 1-2 µg/ml, reducing conditions.

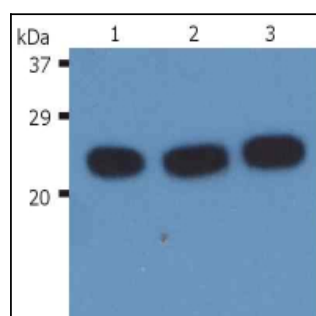


Figure 1: Western Blotting analysis (reducing conditions) of H-Ras in whole cell lysate using anti-H-Ras (H-RAS-03). . Lane 1: HeLa human cervix carcinoma cell line . Lane 2: K567 human leukemia cell line . Lane 3: RAJI human Burkitt lymphoma cell line