

H-Ras Monoclonal Antibody (H-Ras-03)

Catalog NumberMA1-19726

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Western Blot (WB)	Dilution *1-2 µg/mL
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Clone	H-Ras-03		
Immunogen	Synthetic peptide corresponding to residues DIHQYREQIKRVKDSDDC of human H-Ras protein.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein A		
Storage buffer	PBS, pH 7.4		
Contains	15mM sodium azide		
Storage Conditions	4° C, do not freeze		

Product specific information

Suggested positive controls for this product are RAJI human Burkitt lymphoma cell line, HeLa human cervix carcinoma cell line, and K567 human leukemia cell line. Western Blot: Reducing conditions.

Background/Target Information

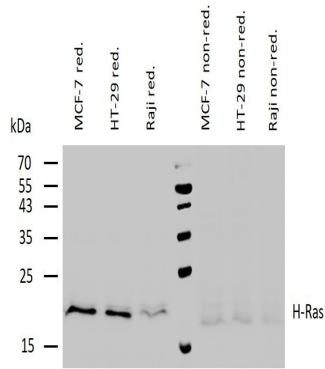
Monomeric G protein Ras functions as a molecular switch linking receptor and nonreceptor tyrosine kinase activation to a number of downstream signaling pathways leading to distinct cytoplasmic or nuclear events. Each mammalian cell contains three Ras proto-oncogene coding for closely related Ras proteins: H-, K-, N-Ras. Oncogenic mutations in Ras genes are present in ~30% of all human cancers. Constitutive activation of Ras due to mutations or overexpression stimulates proliferation and inhibition of apoptosis. K-Ras mutations are common in pancreatic, colorectal and nonsmall-cell lung carcinomas; H-Ras mutations are common in bladder, kidney and thyroid carcinomas; N-Ras mutations are found in melanoma, hematological malignancies and hepatocellular carcinoma.

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H-Ras Antibody (MA1-19726) in WB

Western blotting analysis of human H-Ras using mouse monoclonal antibody H-Ras-03 on lysates of various cell lines under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2µg/mL of mouse anti-H-Ras monoclonal antibody (Product # MA1-19726) followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for H-Ras at approximately 19kDa.

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