

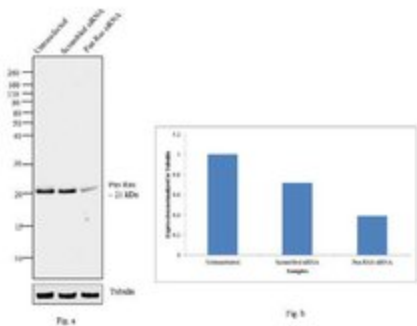
Pan Ras Monoclonal Antibody (Ras10)

Product Details	
Size	100 µg
Species	Human, Mouse, Non-human primate
Published Species	Artificial Control, Human, Mouse
Expression System	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	Ras10
Conjugate	Unconjugated
Immunogen	Purified recombinant Ras protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2536664

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay dependent	1 Publication
Immunocytochemistry (ICC)	1:50-1:200	-
Immunofluorescence (IF)	1:50 - 1:200	-
Immunohistochemistry (IHC)	1:100-1:500	-
Immunoprecipitation (IP)	2 µg	1 Publication
Western Blot (WB)	1:1000	8 Publications

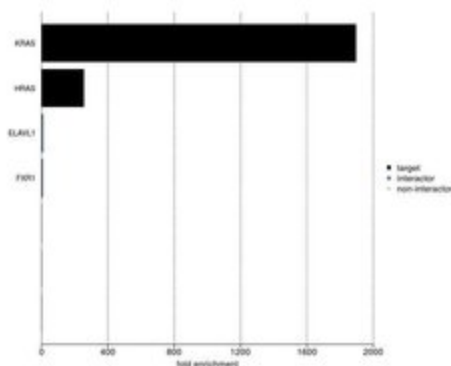
Product Specific Information

This antibody recognizes normal p21, activated p21, and p21 from each of the Harvey, Kirsten and N-ras families.



Pan Ras Antibody (MA1-012)

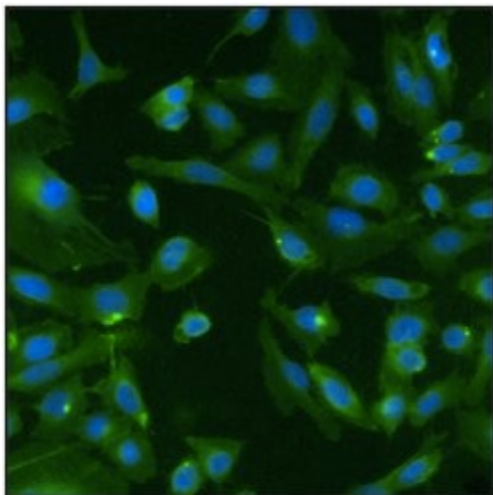
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with Pan Ras siRNA and decrease in signal was observed in Western Blot using Anti-Pan Ras Monoclonal Antibody (Product # MA1-012X). Knockdown validation info.



Pan Ras Antibody (MA1-012)

IP-MS enrichment of (LFQ intensity): KRAS AND HRAS were enriched 1895-fold and 255-fold, respectively, from HCT116 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A /G (Product # 90409) and pan RAS antibody (Product # MA1-012). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

Product Images For Pan Ras Monoclonal Antibody (Ras10)



Pan Ras Antibody (MA1-012) in IF

Immunofluorescent analysis of Ras (green) in U2OS cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were then blocked with 5% normal goat serum (Product # 31873) for 15 minutes at room temperature. Cells were then probed with a mouse monoclonal antibody recognizing Ras (Product # MA1-012), at a dilution of 1:100 for at least 1 hour at room temperature. Cells were then washed with PBS and incubated with DyLight 488 goat-anti-mouse secondary antibody (Product # 35502) at a dilution of 1:400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 20X magnification.

View more figures on thermofisher.com

10 References

Western Blot (8)

PloS one

Lipophilic statins limit cancer cell growth and survival, via involvement of Akt signaling.

Authors: Beckwitt CH, Shiraha K, Wells A

Species
Human

Dilution
1:1000

Year
2018

Oncogene

Isoprenylcysteine carboxymethyltransferase is critical for malignant transformation and tumor maintenance by all RAS isoforms.

"Published figure using Pan Ras monoclonal antibody (Product # MA1-012) in Western Blot"

Authors: Lau HY, Tang J, Casey PJ, Wang M

Species
Human
Artificial Control

Dilution
Not Cited
Not Cited

Year
2017

[View more WB references on thermofisher.com](#)

Immunoprecipitation (1)

Oncotarget

Aurora kinase A interacts with H-Ras and potentiates Ras-MAPK signaling.

"Published figure using Pan Ras monoclonal antibody (Product # MA1-012) in Immunoprecipitation"

Authors: Umstead M, Xiong J, Qi Q, Du Y, Fu H

Species
Human

Dilution
1:50

Year
2017

Flow Cytometry (1)

Hybridoma

Production and characterization of anti-RAS p21 monoclonal antibodies.

"MA1-012 was used in [flow cytometry] to characterize the antibody's reactivity to normal p21, activated p21, and p21 from each of the Harvey, Kirsten and N-ras families."

Authors: Hamer PJ, Trimpe KL, Pullano T, Ng S, LaVecchio JA, Petit DA, DeLellis R, Wolfe H, Carney WP

Species
Human

Dilution
1:500

Year
1990

More applications with references on thermofisher.com

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