

Pan Ras Monoclonal Antibody (Ras10)

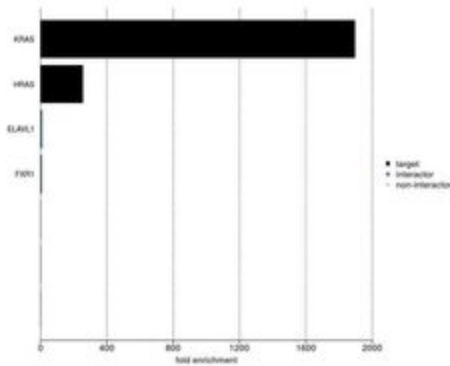
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	Ras10
Conjugate	Unconjugated
Immunogen	Purified recombinant Ras protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein 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
Western Blot (WB)	1:1,000	10 Publications
Immunohistochemistry (IHC)	1:100-1:500	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-
Flow Cytometry (Flow)	Assay-dependent	1 Publication
Immunoprecipitation (IP)	2 µg	2 Publications

Product Specific Information

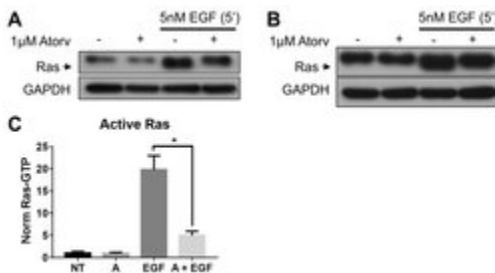
This antibody recognizes normal p21, activated p21, and p21 from each of the Harvey, Kirsten and N-ras families.

Advanced Verification Data



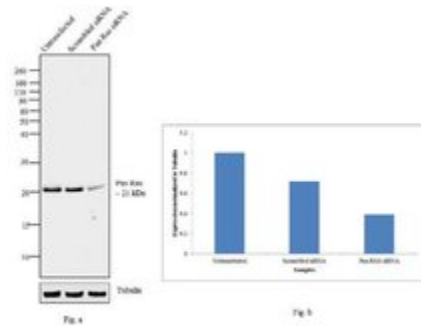
Pan Ras Antibody (MA1-012)

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.



Pan Ras Antibody (MA1-012)

S4 Fig Atorvastatin pre-treatment reduces EGF-stimulated Ras activation. MDA-MB-231 RFP cells were treated with or without 1μM atorvastatin for 48 hours and then cells were stimulated with 5nM EGF for 5 minutes. Activated Ras (Ras-GTP) was isolated from cell lysates, (A,B) probed by western blot, and (C) quantified by densitometry of the faster mobility fraction. Atorv = Atorvastatin, NT = No treatment, A = 1μM Atorvastatin for 48 hours, EGF = 5nM EGF for 5 minutes. Error bars represent the SEM. * P < 0.05. All data are representative of at least three independent experiments. (TIF) [Click here for additional data file](#). Cell treatment validation info.



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.

[View more figures on thermofisher.com](http://thermofisher.com)

Western Blot (10)

Cancers

Evaluating the Epithelial-Mesenchymal Program in Human Breast Epithelial Cells Cultured in Soft Agar Using a Novel Macromolecule Extraction Protocol.

"MA1-012 was used in Western Blotting to investigate the role of epithelial-mesenchymal transition in human mammary epithelial cell colony formation in agar."

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

Species
Human

Dilution
Not Cited

Year
2021

Journal of experimental & clinical cancer research : CR

PD-1 blockade delays tumor growth by inhibiting an intrinsic SHP2/Ras /MAPK signalling in thyroid cancer cells.

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

Authors: Liotti F, Kumar N, Prevete N, Marotta M, Sorriento D, Ieranò C, Ronchi A, Marino FZ, Moretti S, Colella R, Puxeddu E, Paladino S, Kano Y, Ohh M, Scala S, Melillo RM

Species
Not Applicable

Dilution
Not Cited

Year
2021

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

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

Immunoprecipitation (2)

Journal of experimental & clinical cancer research : CR

PD-1 blockade delays tumor growth by inhibiting an intrinsic SHP2/Ras /MAPK signalling in thyroid cancer cells.

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

Authors: Liotti F, Kumar N, Prevete N, Marotta M, Sorriento D, Ieranò C, Ronchi A, Marino FZ, Moretti S, Colella R, Puxeddu E, Paladino S, Kano Y, Ohh M, Scala S, Melillo RM

Species
Not Applicable

Dilution
Not Cited

Year
2021

More applications with references on thermofisher.com

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