

HDJ2 Monoclonal Antibody (KA2A5.6)

Product Details

Size	500 µL
Species Reactivity	Bacteria, Hamster, Human, Mouse, Non-human primate, Pig, Rabbit, Rat
Published Species	Yeast, Rat, Non-human primate, Human, Mouse
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	KA2A5.6
Conjugate	Unconjugated
Immunogen	N-terminal purified recombinant fragment (aa 1-179) of HDJ-2 fusion protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10982482

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay Dependent	-
Immunofluorescence (IF)	Assay Dependent	-
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	-
Immunoprecipitation (IP)	2 µg/mL	1 Publication
Western Blot (WB)	0.5-1.0 µg/mL	18 Publications
Immunocytochemistry (ICC)	-	3 Publications
Immunohistochemistry (IHC)	-	2 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

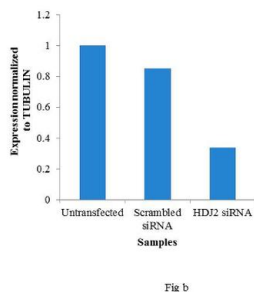
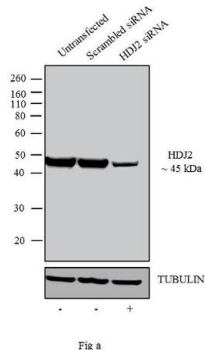
Product Specific Information

MA5-12748 targets HDJ-2/DNAJ in FACS, IF, IHC (P), IP, and WB applications and shows reactivity with Bacteria, Hamster, Human, mouse, Non-human primate, Porcine, Rabbit, and Rat samples.

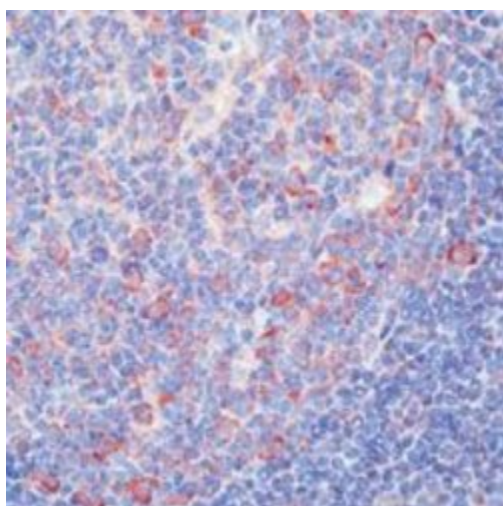
The MA5-12748 immunogen is n-terminal purified recombinant fragment (aa 1-179) of HDJ-2 fusion protein.

HDJ2 Antibody (MA5-12748)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with HDJ2 siRNA and decrease in signal intensity was observed in western blot application using anti-HDJ2 siRNA (Product # MA5-12748). Knockdown validation info.



Product Images For HDJ2 Monoclonal Antibody (KA2A5.6)

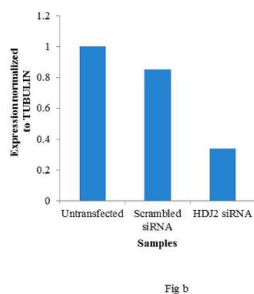
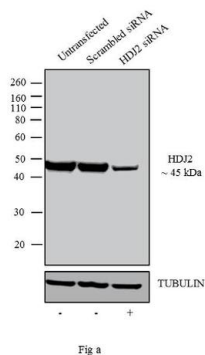


HDJ2 Antibody (MA5-12748) in IHC

Formalin-fixed, paraffin-embedded human tonsil stained with HDJ-2 antibody using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of cells.

HDJ2 Antibody (MA5-12748) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of NTERA-2 (Lane 1), HeLa (Lane 2), A-431 (Lane 3), A549 (Lane 4), PC-3 (Lane 5), and Jurkat (Lane 6). The blots were probed with Anti-SNRPB Monoclonal Antibody (Product # MA5-12748, 1 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 45 kDa corresponding to HDJ2 was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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Immunocytochemistry (3)

PLoS genetics

The Hsp70 co-chaperone Ydj1/HDJ2 regulates ribonucleotide reductase activity.

"MA5-12748 was used in Western Blotting to identify the regulatory chaperons involved in ribonucleotide reductase activity."

Authors: Sluder IT, Knighton LE, Truman AW

Species
Yeast

Dilution
Not Cited

Year
2018

Cancer cell

Protein farnesyltransferase in embryogenesis, adult homeostasis, and tumor development.

"MA5-12748 was used in Western Blotting to study the role of protein farnesyltransferase in embryonic development and adult homeostasis."

Authors: Mijimolle N, Velasco J, Dubus P, Guerra C, Weinbaum CA, Casey PJ, Campuzano V, Barbacid M

Species
Mouse

Dilution
Not Cited

Year
2005

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

Western Blot (18)

Proceedings of the National Academy of Sciences of the United States of America

Uterine endoplasmic reticulum stress-unfolded protein response regulation of gestational length is caspase-3 and -7-dependent.

"MA5-12748 was used in western blot to analyze the regulation of gestational length in caspase-3 and -7 dependent involving uterine endoplasmic reticulum stress-unfolded protein response"

Authors: Kyathanahalli C, Organ K, Moreci RS, Anamthathmakula P, Hassan SS, Caritis SN, Jeyasuria P, Condon JC

Species
Not Applicable

Dilution
1:1000

Year
2015

Bioorganic and medicinal chemistry

Bioactive metabolites from Chaetomium aureum: structure elucidation and inhibition of the Hsp90 machine chaperoning activity.

"MA5-12748 was used in western blot to study Chaetomium aureum extracts and their effects on Hsp90 machine chaperoning activity"

Authors: Kabbaj FZ, Lu S, Faouzi Mel A, Meddah B, Proksch P, Cherrah Y, Altenbach HJ, Aly AH, Chadli A, Debbab A

Species
Human

Dilution
Not Cited

Year
2015

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IHC (2)

Misc (1)

IP (1)

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