

OAS1 Polyclonal Antibody

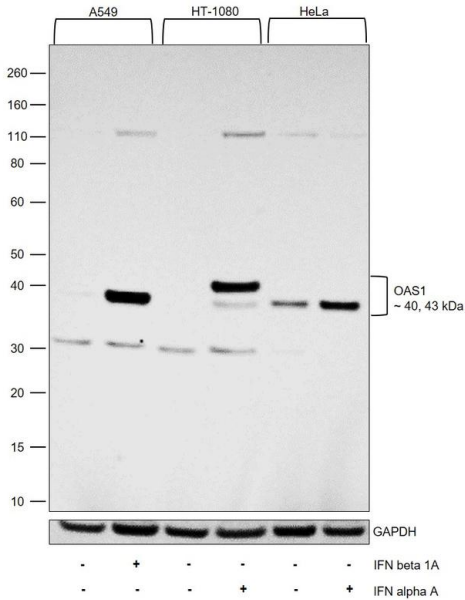
Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human OAS1
Form	Liquid
Concentration	0.2 mg/mL
Purification	Anitgen affinity chromatography, Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2789274

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	1:50-1:200	-
Immunocytochemistry (ICC/IF)	0.25-2 µg/mL	2 Publications

Product Specific Information

Immunogen sequence: VFLSPLTTFQ DQLNRRGEFI QEIRRQLEAC QRERAFSVKF EVQAPRWGNP RALSFVLSSL
QLGEGVEFDV LPAFDALGQL TGGYKPNPQI YVKLIECTD LQKEGEFSTC FTELQRDFLK QRPTKLKSLI RLVKHWYQNC KK

Product Images For OAS1 Polyclonal Antibody



OAS1 Antibody (PA5-82113) in WB

Western Blot was performed using Anti-OAS1 Polyclonal Antibody (Product # PA5-82113) and 40, 43 kDa bands corresponding to 2-5-oligoadenylate synthase 1 were observed. Whole cell extracts (30 µg lysate) of A549 (Lane 1), A549 treated with IFN beta 1A (1000 U/mL, O/N) (Lane 2), HT-1080 (Lane 3), HT-1080 treated with IFN alpha A (2000 U/mL, O/N) (Lane 4), HeLa (Lane 5), HeLa treated with IFN alpha A (10 ng/mL, 16 hrs) (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:500) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Upregulation in the expression of OAS1 was observed upon Interferon treatment in all the models tested (<https://doi.org/10.1073/pnas.1519657113>).

2 References

Immunocytochemistry (2)

Nature genetics

Genetic regulation of OAS1 nonsense-mediated decay underlies association with COVID-19 hospitalization in patients of European and African ancestries.

"PA5-82113 was used in Immunocytochemistry-immunofluorescence to report genetic, functional and clinical insights into this locus in relation to COVID-19 severity."

Authors: Banday AR, Stanifer ML, Florez-Vargas O, Onabajo OO, Papenberg BW, Zahoor MA, Mirabello L, Ring TJ, Lee CH, Albert PS, Andreakos E, Arons E, Barsh G, Biesecker LG, Boyle DL, Brahier MS, Burnett-Hartman A, Carrington M, Chang E, Choe PG, Chisholm RL, Colli LM, Dalgard CL, Dude CM, Edberg J, Erdmann N, Feigelson HS, Fonseca BA, Firestein GS, Gehring AJ, Guo C, Ho M, Holland S, Hutchinson AA, Im H, Irby L, Ison MG, Joseph NT, Kim HB, Kreitman RJ, Korf BR, Lipkin SM, Mahgoub SM, Mohammed I, Paschoalini GL, Pacheco JA, Peluso MJ, Rader DJ, Redden DT, Ritchie MD, Rosenblum B, Ross ME, Anna HPS, Savage SA, Sharma S, Siouti E, Smith AK, Triantafyllia V, Vargas JM, Vargas JD, Verma A, Vij V, Wesemann DR, Yeager M, Yu X, Zhang Y, Boulant S, Chanock SJ, Feld JJ, Prokunina-Olsson L

Year
2022

Species
Human

Dilution
1:200

medRxiv : the preprint server for health sciences

Genetic regulation of OAS1 nonsense-mediated decay underlies association with risk of severe COVID-19.

"Published figure using OAS1 polyclonal antibody (Product # PA5-82113) in Immunocytochemistry"

Authors: Banday AR, Stanifer ML, Florez-Vargas O, Onabajo OO, Zahoor MA, Papenberg BW, Ring TJ, Lee CH, Andreakos E, Arons E, Barsh G, Biesecker LG, Boyle DL, Burnett-Hartman A, Carrington M, Chang E, Choe PG, Chisholm RL, Dalgard C, Edberg J, Erdmann N, Feigelson HS, Firestein GS, Gehring AJ, Ho M, Holland S, Hutchinson AA, Im H, Ison MG, Kim HB, Kreitman RJ, Korf BR, Mirabello L, Pacheco JA, Peluso MJ, Rader DJ, Redden DT, Ritchie MD, Rosenbloom B, Sant Anna HP, Savage S, Siouti E, Triantafyllia V, Vargas JM, Verma A, Vij V, Wesemann DR, Yeager M, Yu X, Zhang Y, Boulant S, Chanock SJ, Feld JJ, Prokunina-Olsson L

Year
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