

# IL1RA Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 177 of IL1ra antagonist (Uniprot ID#P18510)
Form	Liquid
Concentration	0.86 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11154011

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
Immunoprecipitation (IP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

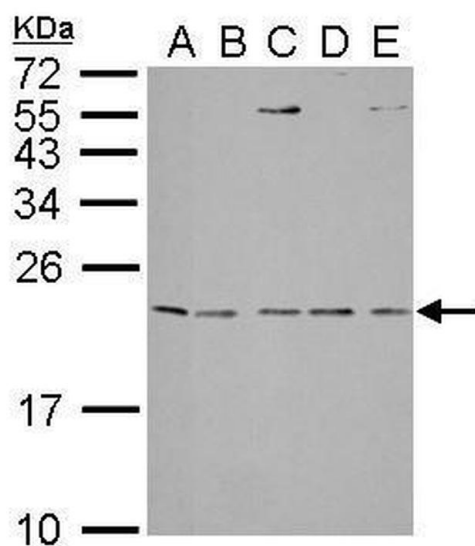
## Product Specific Information

Recommended positive controls: Raji, Neuro2A, C8D30, NIH-3T3, Raw264.7, C2C12, PC-12.

Predicted reactivity: Dog (84%), Pig (82%), Bovine (82%).

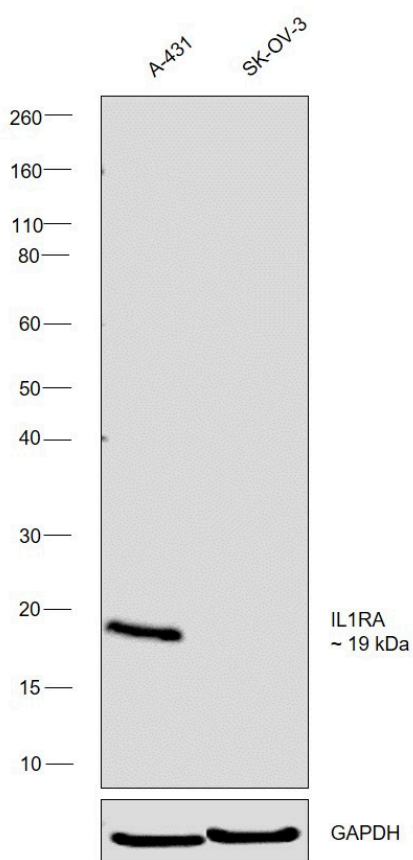
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Product Images For IL1RA Polyclonal Antibody



#### IL1RA Antibody (PA5-21776) in WB

IL1RA Polyclonal Antibody detects IL1RN protein by western blot analysis. A. 30  $\mu$ g Neuro2A whole lysate/extract. B. 30  $\mu$ g C8D30 whole cell lysate/extract. C. 30  $\mu$ g NIH-3T3 whole cell lysate/extract. D. 30  $\mu$ g Raw264.7 whole cell lysate/extract. E. 30  $\mu$ g C2C12 whole cell lysate/extract. 15% SDS-PAGE. IL1RA Polyclonal Antibody (Product # PA5-21776) dilution: 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

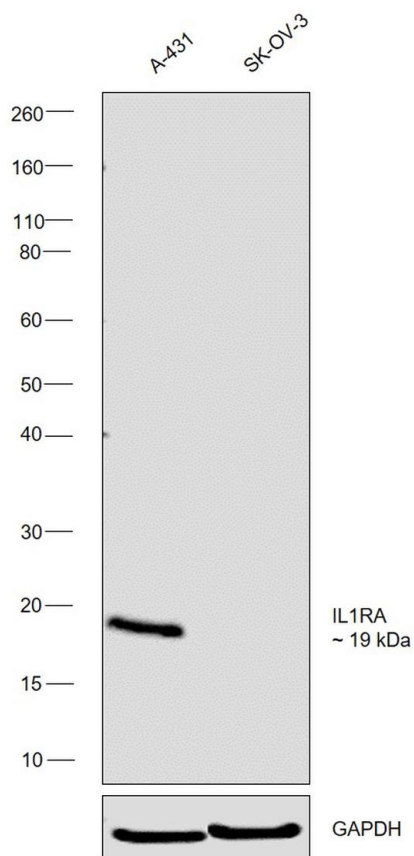


#### IL1RA Antibody (PA5-21776)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of Interleukin-1 receptor antagonist protein was observed in A-431 as compared to SK-OV-3 using Anti-IL1RA Polyclonal Antibody (Product # PA5-21776) in Western Blot. {RE}

### IL1RA Antibody (PA5-21776) in WB

Western blot was performed using Anti-IL1RA Polyclonal Antibody (Product # PA5-21776) and a 19 kDa band corresponding to Interleukin-1 receptor antagonist protein was observed across cell lines tested. Whole cell extracts (30 µg lysate) of A-431 (Lane 1), SK-O-V3 (Lane 2) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). 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 (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:10,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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## Western Blot (1)

The Journal of clinical investigation

### Anakinra restores cellular proteostasis by coupling mitochondrial redox balance to autophagy.

"PA5-21776 was used in Immunoprecipitation to study how recombinant IL-1 receptor antagonist (IL-1Ra, anakinra) affects cellular proteostasis independently from the IL-1R1."

Authors: van de Veerdonk FL, Renga G, Pariano M, Bellet MM, Servillo G, Fallarino F, De Luca A, Iannitti RG, Piobbico D, Gargaro M, Manni G, D'Onofrio F, Stincardini C, Sforna L, Borghi M, Castelli M, Pieroni S, Oikonomou V, Villella VR, Puccetti M, Giovagnoli S, Galarini R, Barola C, Maiuri L, Della Fazio MA, Cellini B, Talesa VN, Dinarello CA, Costantini C, Romani L

Year  
2022

Species  
Mouse

## Immunoprecipitation (1)

The Journal of clinical investigation

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Year  
2022

Species  
Mouse

## Miscellaneous PubMed (1)

The Journal of clinical investigation

### Squamous metaplasia amplifies pathologic epithelial-mesenchymal interactions in COPD patients.

"PA5-21776 was used in immunocytochemistry, immunohistochemistry, and western blot to investigate the relation between chronic obstructive pulmonary disease and squamous metaplasia"

Authors: Araya J, Cambier S, Markovics JA, Wolters P, Jablons D, Hill A, Finkbeiner W, Jones K, Broaddus VC, Sheppard D, Barczak A, Xiao Y, Erle DJ, Nishimura SL

Year  
2007

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