

# 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.

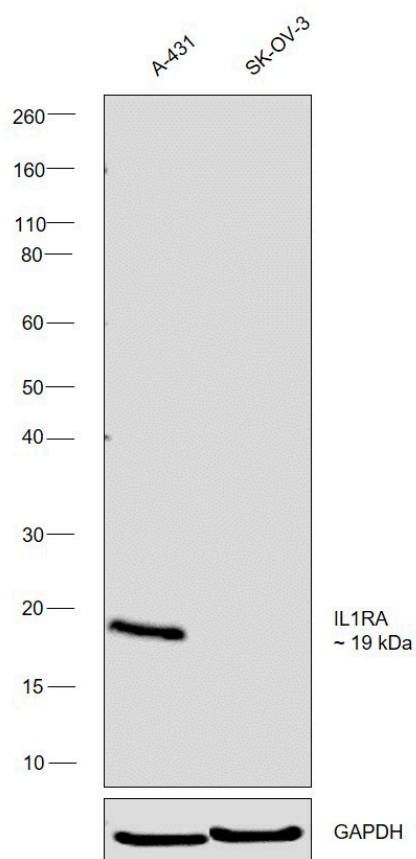
Predicted reactivity: Dog (84%), Pig (82%), Bovine (82%).

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

## Product Images For IL1RA Polyclonal Antibody

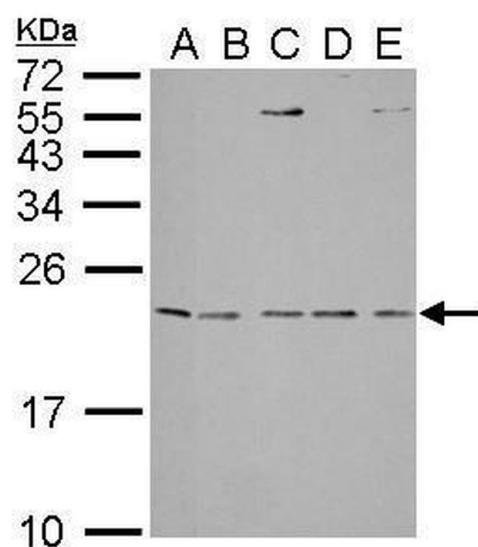
### IL1RA Antibody (PA5-21776)

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}



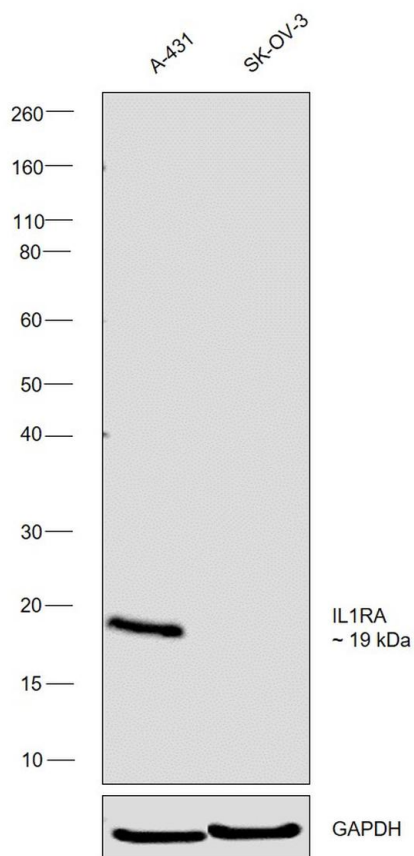
### IL1RA Antibody (PA5-21776) in WB

IL1RA Polyclonal Antibody detects IL1RN protein by western blot analysis. A. 30 µg Neuro2A whole lysate/extract. B. 30 µg C8D30 whole cell lysate/extract. C. 30 µg NIH-3T3 whole cell lysate/extract. D. 30 µg Raw264.7 whole cell lysate/extract. E. 30 µg 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) 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)

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| <p>The Journal of clinical investigation</p> <p><b>Anakinra restores cellular proteostasis by coupling mitochondrial redox balance to autophagy.</b></p> <p>"Published figure using IL1RA polyclonal antibody (Product # PA5-21776) in Western Blot"</p> <p>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 Fazia MA,Cellini B,Talesa VN,Dinareello CA,Costantini C,Romani L</p> | <p>Year<br/>2022</p> <p>Species<br/>Mouse</p> |
|--|---|

Immunoprecipitation (1)

|  |   |
|--|---|
| <p>The Journal of clinical investigation</p> <p><b>Anakinra restores cellular proteostasis by coupling mitochondrial redox balance to autophagy.</b></p> <p>"Published figure using IL1RA polyclonal antibody (Product # PA5-21776) in Western Blot"</p> <p>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 Fazia MA,Cellini B,Talesa VN,Dinareello CA,Costantini C,Romani L</p> | <p>Year<br/>2022</p> <p>Species<br/>Mouse</p> |
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Miscellaneous PubMed (1)

|   |                      |
|---|----------------------|
| <p>The Journal of clinical investigation</p> <p><b>Squamous metaplasia amplifies pathologic epithelial-mesenchymal interactions in COPD patients.</b></p> <p>"PA5-21776 was used in immunocytochemistry, immunohistochemistry, and western blot to investigate the relation between chronic obstructive pulmonary disease and squamous metaplasia"</p> <p>Authors: Araya J,Cambier S,Markovics JA,Wolters P,Jablons D,Hill A,Finkbeiner W,Jones K,Broadus VC,Sheppard D,Barzack A,Xiao Y,Erle DJ,Nishimura SL</p> | <p>Year<br/>2007</p> |
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