

Product Datasheet

Jak1 Antibody (JM75-03) NBP2-75547

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-75547

Jak1 Antibody (JM75-03)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JM75-03
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	133 kDa

Product Description

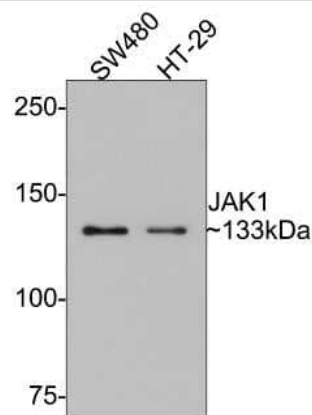
Host	Rabbit
Gene Symbol	JAK1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Jak1 aa 621-670 / 1,154. (SwissProt: P23458 Human; SwissProt: P52332 Mouse; SwissProt: G3V9W2 Rat)

Product Application Details

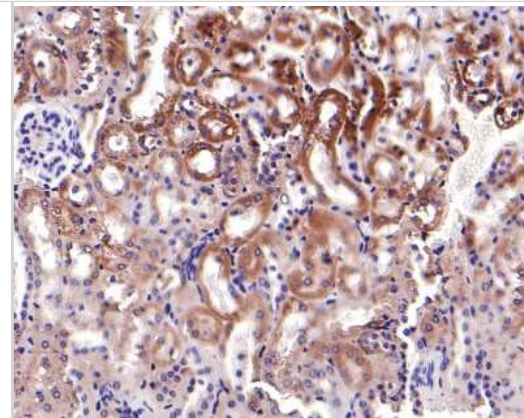
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50-1:500

Images

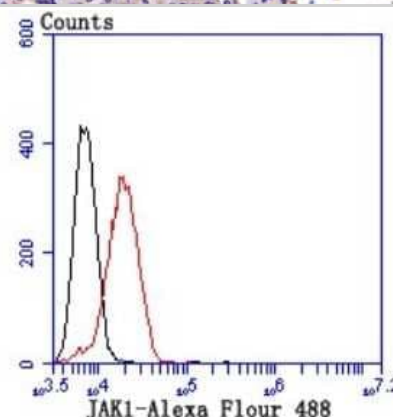
Western Blot: Jak1 Antibody (JM75-03) [NBP2-75547] - Analysis of JAK1 on different lysates with Rabbit anti-JAK1 antibody at 1/500 dilution. Lane 1: SW480 cell lysate Lane 2: HT-29 cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 133 kDa Observed band size: 133 kDa Exposure time: 2 minutes; 6% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



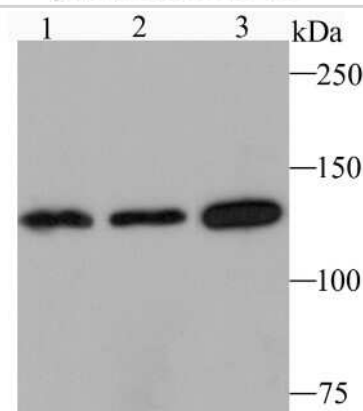
Immunohistochemistry-Paraffin: Jak1 Antibody (JM75-03) [NBP2-75547]
 - Analysis of paraffin-embedded mouse kidney tissue with Rabbit anti-JAK1 antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Flow Cytometry: Jak1 Antibody (JM75-03) [NBP2-75547] - Analysis of SW480 cells with JAK 1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



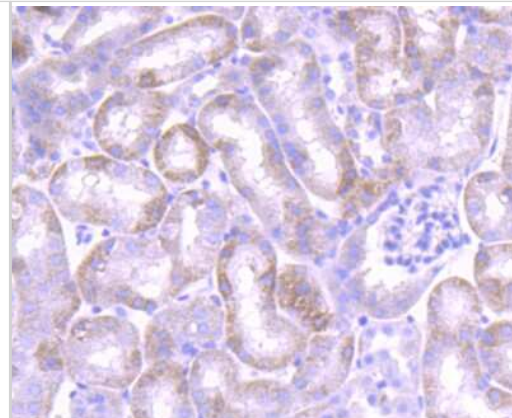
Western Blot: Jak1 Antibody (JM75-03) [NBP2-75547] - Analysis of JAK1 on Hela cell using anti-JAK1 antibody at 1/1,000 dilution. Positive control:
 Lane 1: PC-12 Lane 2: Jurkat Lane 3: NIH-3T3



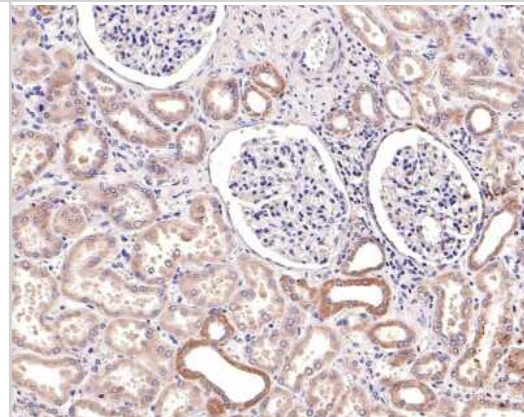
Immunohistochemistry-Paraffin: Jak1 Antibody (JM75-03) [NBP2-75547]
 - Analysis of paraffin-embedded mouse colon tissue using anti-JAK1 antibody. Counter stained with hematoxylin.



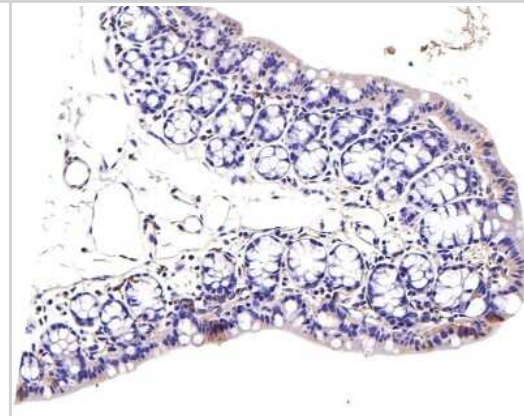
Immunohistochemistry-Paraffin: Jak1 Antibody (JM75-03) [NBP2-75547]
 - Analysis of paraffin-embedded mouse kidney tissue using anti-JAK1 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Jak1 Antibody (JM75-03) [NBP2-75547]
 - Analysis of paraffin-embedded human kidney tissue with Rabbit anti-JAK1 antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Jak1 Antibody (JM75-03) [NBP2-75547]
 - Analysis of paraffin-embedded mouse large intestine tissue with Rabbit anti-Jak1 antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Publications

Al-Ani B, ShamsEldeen AM, Kamar SS et al. Lipopolysaccharide induces acute lung injury and alveolar hemorrhage in association with the cytokine storm, coagulopathy and AT1R/JAK/STAT augmentation in a rat model that mimics moderate and severe Covid-19 pathology Clinical and experimental pharmacology & physiology 2022-01-23 [PMID: 35066912] (WB, Rat)



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Products Related to NBP2-75547

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00003716-Q01-10ug	Recombinant Human Jak1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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