

# Product Datasheet

## alpha Tubulin 4a Antibody - BSA Free NBP2-21604

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/23/2025 v.20.1

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**NBP2-21604**

alpha Tubulin 4a Antibody - BSA Free

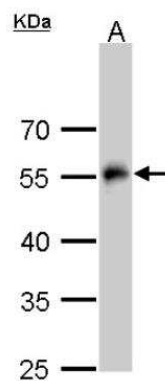
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	50 kDa

Product Description	
Host	Rabbit
Gene ID	7277
Gene Symbol	TUBA4A
Species	Human, Mouse, Rat, C. elegans, Chicken, Drosophila, Insect, Protozoa
Reactivity Notes	Mosquito (100%), Xenopus laevis (92%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human alpha Tubulin 4a. The exact sequence is proprietary.

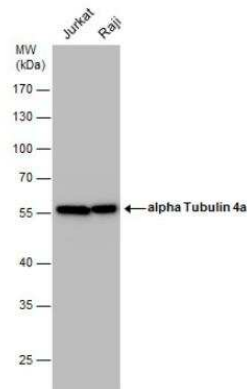
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

**Images**

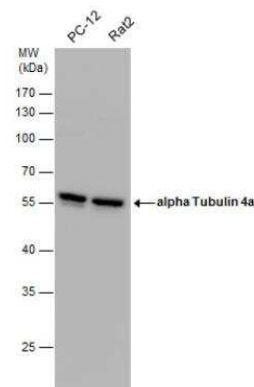
Western Blot: alpha Tubulin 4a Antibody [NBP2-21604] - A. 30 ug Drosophila lysate/extract 10% SDS-PAGE alpha Tubulin 4a antibody dilution: 1:2000 The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



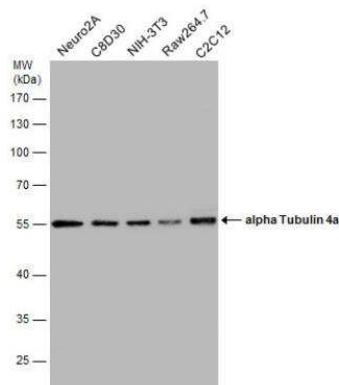
Western Blot: alpha Tubulin 4a Antibody [NBP2-21604] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin 4a antibody diluted by 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



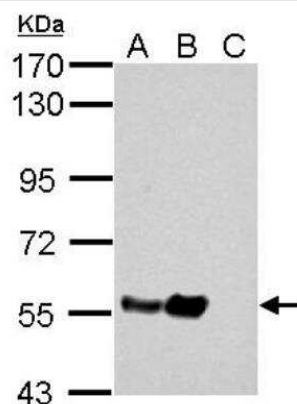
Western Blot: alpha Tubulin 4a Antibody [NBP2-21604] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin 4a antibody diluted by 1:20000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



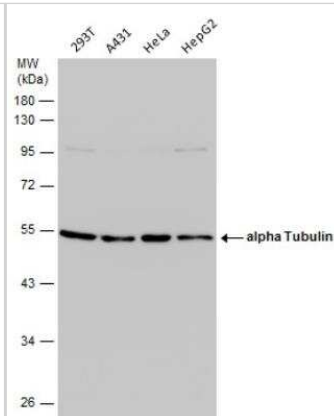
Western Blot: alpha Tubulin 4a Antibody [NBP2-21604] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin 4a antibody diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



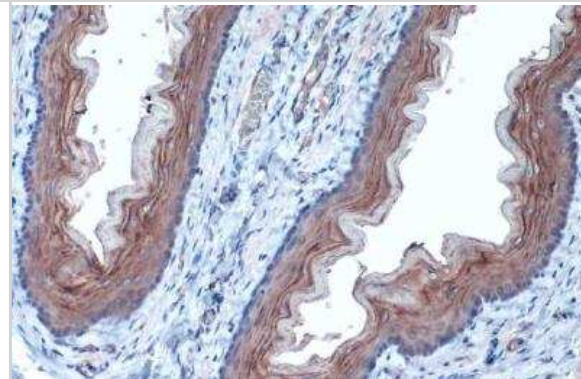
Western Blot: alpha Tubulin 4a Antibody [NBP2-21604] - Sample (30 ug of cell lysate) A: HeLa B: HeLa cytosol fraction C: HeLa nucleus fraction 10% SDS PAGE gel.



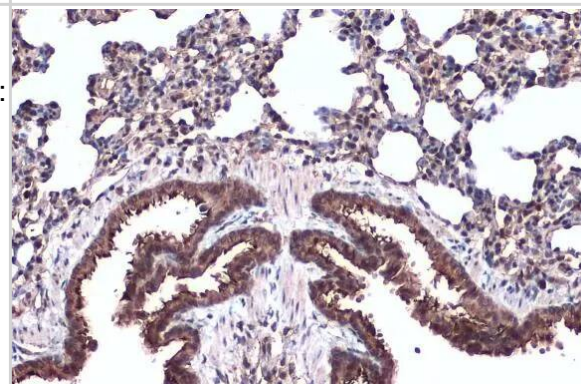
Western Blot: alpha Tubulin 4a Antibody [NBP2-21604] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



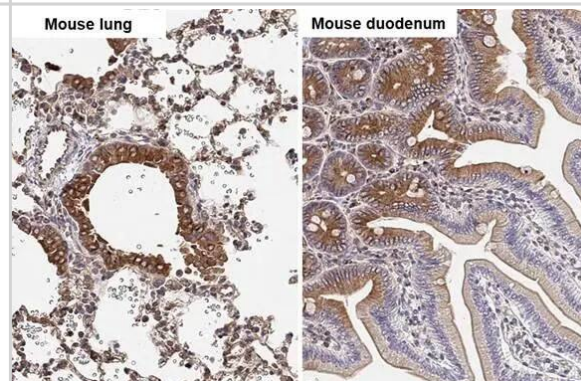
Immunohistochemistry-Paraffin: alpha Tubulin 4a Antibody [NBP2-21604] - Rat esophagus. alpha Tubulin 4a stained by alpha Tubulin 4a antibody diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



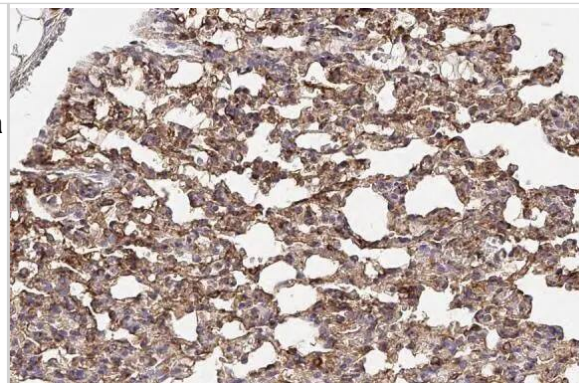
Immunohistochemistry-Paraffin: alpha Tubulin 4a Antibody [NBP2-21604] - alpha Tubulin 4a antibody detects alpha Tubulin 4a protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse lung. alpha Tubulin 4a stained by alpha Tubulin 4a antibody (NBP2-21604) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



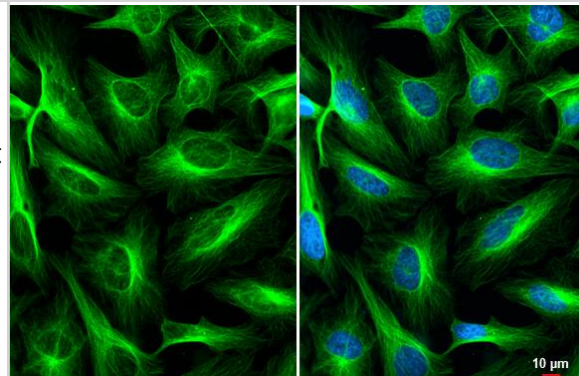
Immunohistochemistry-Paraffin: alpha Tubulin 4a Antibody [NBP2-21604] - alpha Tubulin 4a antibody detects alpha Tubulin 4a protein by immunohistochemical analysis. Sample: Paraffin-embedded mouse tissues. alpha Tubulin 4a stained by alpha Tubulin 4a antibody (NBP2-21604) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



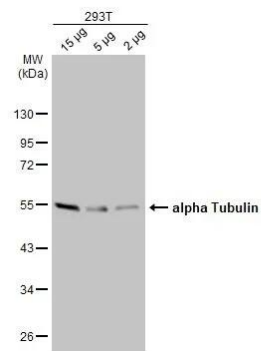
Immunohistochemistry-Paraffin: alpha Tubulin 4a Antibody [NBP2-21604] - alpha Tubulin 4a antibody detects alpha Tubulin 4a protein at cytoplasm and nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat lung. alpha Tubulin 4a stained by alpha Tubulin 4a antibody (NBP2-21604) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Immunocytochemistry/ Immunofluorescence: alpha Tubulin 4a Antibody [NBP2-21604] - alpha Tubulin 4a antibody detects alpha Tubulin 4a protein at cytoskeleton by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: alpha Tubulin 4a stained by alpha Tubulin 4a antibody (NBP2-21604) diluted at 1:500. Blue: Fluoroshield with DAPI .



Western Blot: alpha Tubulin 4a Antibody [NBP2-21604] - Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin 4a antibody (NBP2-21604) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.







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### **Products Related to NBP2-21604**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007277-P01-10ug	Recombinant Human alpha Tubulin 4a GST (N-Term) Protein

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### **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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