Product Datasheet

ITIH2 Antibody - BSA Free
NBP2-31750

Unit Size: 0.1 ml

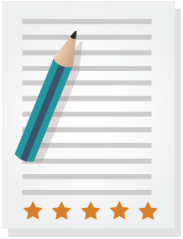
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-31750

Updated 2/2/2026 v.20.1



NBP2-31750

ITIH2 Antibody - BSA Free

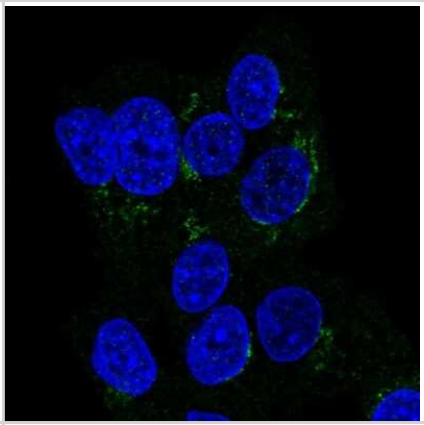
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit ITIH2 Antibody - BSA Free (NBP2-31750) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ITIH2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3698
Gene Symbol	ITIH2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in the scientific literature (PMID: 29855321).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: LPGAKVQFELHYQEVKWRKLGSYEHRIYLQPGRLAKHLEVDVWVIEPQGLRFL HVPDTFEGHFDGVPVISKGQQKAHVSFKPTVAQQRICPNCRET

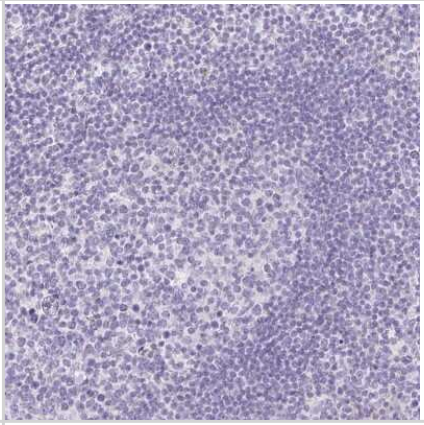
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 30623115)., Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Immunohistochemistry-Frozen Reported in scientific literature (PMID: 29855321)
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

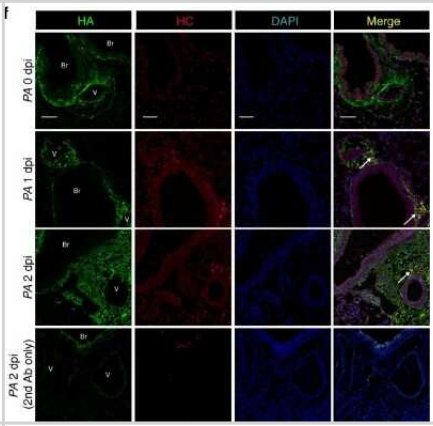
Immunocytochemistry/Immunofluorescence: ITIH2 Antibody [NBP2-31750] - Staining of human cell line Hep G2 shows localization to the Golgi apparatus.



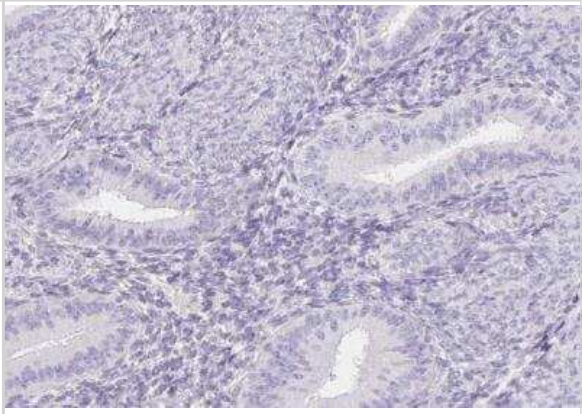
Immunohistochemistry-Paraffin: ITIH2 Antibody [NBP2-31750] - Staining of human tonsil shows no positivity in non-germinal center cells as expected.

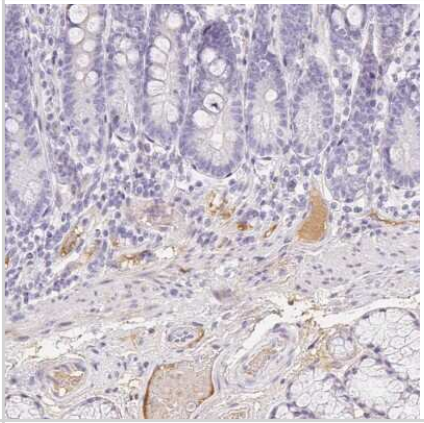
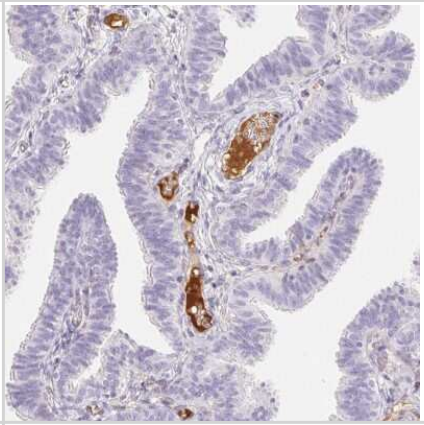
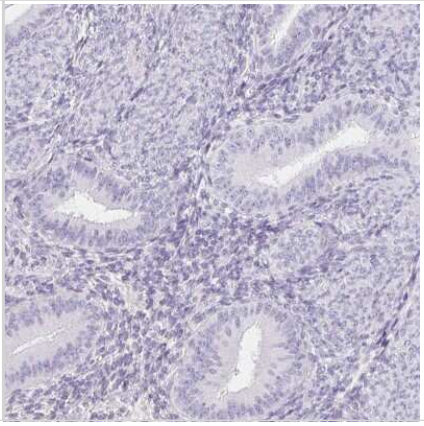


Immunocytochemistry/Immunofluorescence: ITIH2 Antibody [NBP2-31750] - HC-HA formation after LPS or PA injury. Immunofluorescence images of HA and HC localization in formalin-fixed, paraffin-embedded lung sections from control (0 dpi) and PA-injured (1 and 2 dpi) mice, using antibodies against HA binding protein (red) or HC2 (green), and staining for nuclei with DAPI (Blue). Staining control provided in the last row, using secondary antibody only. Note HC-HA co-localization in the peri-broncho (Br)-vascular (V) interstitium (white arrow); scale bar 50 um. Image collected and cropped by CiteAb from the following publication (https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-018-0812-1), licensed under a CC-BY license.

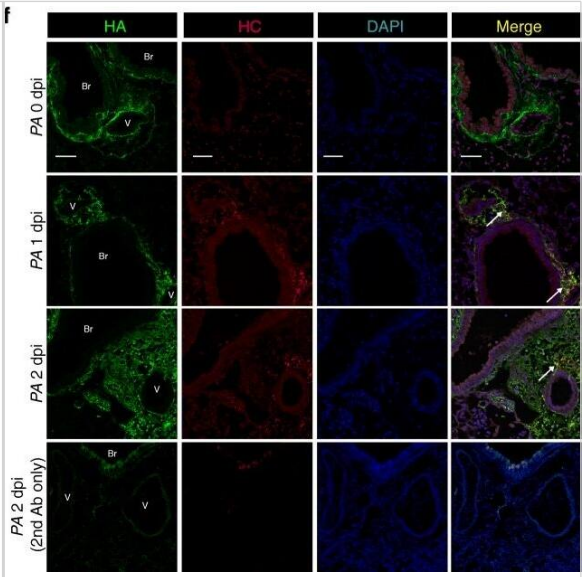


Immunohistochemistry-Paraffin: ITIH2 Antibody [NBP2-31750] - Staining of human endometrium shows no positivity in glandular cells as expected.



Immunohistochemistry-Paraffin: ITIH2 Antibody [NBP2-31750] - Staining of human duodenum shows moderate positivity in plasma in blood vessels.	
Immunohistochemistry-Paraffin: ITIH2 Antibody [NBP2-31750] - Staining of human fallopian tube shows strong positivity in plasma in blood vessels.	
Immunohistochemistry-Paraffin: ITIH2 Antibody [NBP2-31750] - Staining of human endometrium shows no positivity in glandular cells as expected.	

HC-HA formation after LPS or PA injury. a-c. Abundance of heavy chain (HC)-linked HA in lung lysates detected by western blot using IαI antibody (recognizing HC) on lungs before (−) and after (+) hyaluronidase (HAse), which releases HC linked to HA. Each lane represents an individual mouse lung exposed to intratracheally instilled LPS (20 µg; a) or Pseudomonas aeruginosa (PA, 2*106 CFU; b) or control PBS for the indicated time, noted as days post instillation (dpi). Lung HC abundance was expressed relative to that of total protein, measured by densitometry (a-b). c. Exclusive role of TSG-6 in forming HC-HA was confirmed using wild type (WT), heterozygous (HT), and knockout (KO) for TSG-6. d-e. msTNFα and msTSG-6 expression levels measured by qPCR in whole lung following LPS. Data in a-b and d-e analyzed by ANOVA with Tukey's multiple comparisons; **P < 0.01, ***P < 0.001, ****P < .0001. f. Immunofluorescence images of HA and HC localization in formalin-fixed, paraffin-embedded lung sections from control (0 dpi) and PA-injured (1 and 2 dpi) mice, using antibodies against HA binding protein (red) or HC2 (green), and staining for nuclei with DAPI (Blue). Staining control provided in the last row, using secondary antibody only. Note HC-HA co-localization in the peri-broncho (Br)-vascular (V) interstitium (white arrow); scale bar 50 µm. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/29855321), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Bota-Rabassedas N, Banerjee P, Niu Y et al. Contextual cues from cancer cells govern cancer-associated fibroblast heterogeneity Cell reports 2021-04-20 [PMID: 33882319] (WB, Mouse)

Igari K, Kelly MJ, Yamanouchi D Intravascular heavy chain-modification of hyaluronan during endotoxic shock Biochem Biophys Rep Mar 1 2019 12:00AM [PMID: 30623115] (WB)

Ni K, Gill A, Tseng V et al. Rapid clearance of heavy chain-modified hyaluronan during resolving acute lung injury Respir. Res. 2018-05-31 [PMID: 29855321] (IHC-Fr, Mouse)

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Products Related to NBP2-31750

NBP2-31750PEP	ITIH2 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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