

Product Datasheet

FLAP Antibody NB300-891

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 14

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Updated 9/9/2025 v.20.1

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NB300-891

FLAP Antibody

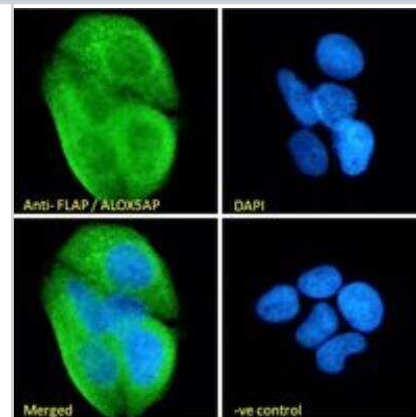
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat FLAP Antibody (NB300-891) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-FLAP Antibody: Cited in 13 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	241
Gene Symbol	ALOX5AP
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27198524). Rat reactivity reported in scientific literature (PMID: 30735559).
Immunogen	Peptide with sequence C-KTISTTISPLLLIP corresponding to C-Terminus according to NP_001620.2.

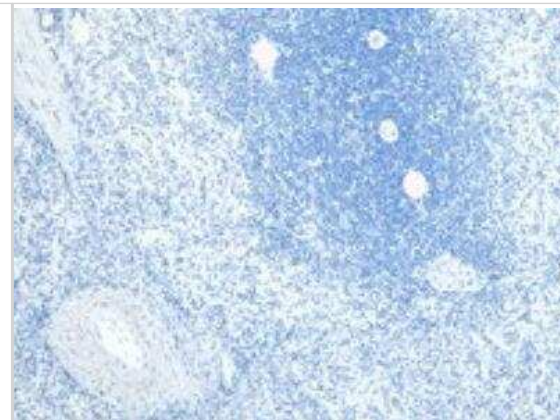
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/mL, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin 6 ug/mL, Peptide ELISA Detection limit 1:6000
Application Notes	Use in ICC/IF reported in scientific literature (PMID: 30735559). Please note that the current batch of this antibody is not validated for use in WB. Publications citing use in WB were using previous batches.

Images

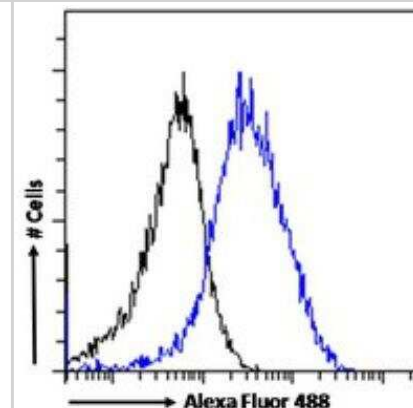
Immunocytochemistry/Immunofluorescence: FLAP Antibody [NB300-891] - Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



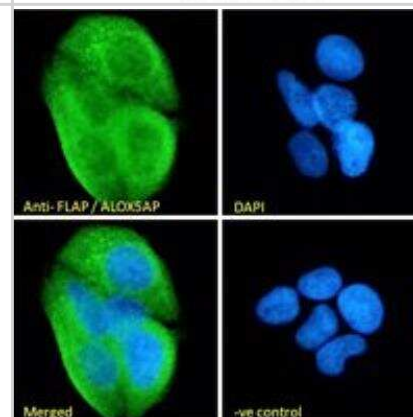
Immunohistochemistry-Paraffin: FLAP Antibody [NB300-891] - Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



Flow Cytometry: FLAP Antibody [NB300-891] - Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/Immunofluorescence: FLAP Antibody [NB300-891] - Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry-Paraffin: FLAP Antibody [NB300-891] - Staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining. Antibody at 6 ug/mL.



Publications

Mrowetz H, Kotob MH, Forster J et al. Leukotriene signaling as molecular correlate for cognitive heterogeneity in aging: an exploratory study *Frontiers in Aging Neuroscience* 2023-08-02 [PMID: 37600518]

Keshavarz M, Ruppert AL, Meiners M et Al. Bitter tastants relax the mouse gallbladder smooth muscle independent of signaling through tuft cells and bitter taste receptors *Sci Rep* 2024-08-08 [PMID: 39117690]

Ndjim M, Gasmi I, Herbert F et Al. Tuft cell acetylcholine is released into the gut lumen to promote anti-helminth immunity *Immunity* 2024-06-12 [PMID: 38744292]

Waghray A, Monga I, Lin B et al. A deep lung cell atlas reveals cytokine-mediated lineage switching of a rare cell progenitor of the human airway epithelium *bioRxiv* 2023-11-29 [PMID: 38076853] (IHC, Human)

Widmayer P, Pregitzer P, Breer H Short-term high fat feeding induces inflammatory responses of tuft cells and mucosal barrier cells in the murine stomach *Histology and histopathology* 2022-07-29 [PMID: 35904321] (IHC-Fr, Mouse)

Details:

Dilution used for IHC 1:300

Michael J, Unger Ms, Poupardin R Et Al. Microglia depletion diminishes key elements of the leukotriene pathway in the brain of Alzheimer's Disease mice *Acta Neuropathol Commun* 2020-08-08 [PMID: 32771067] (IF/IHC, Mouse)

Montoro D T, Haber A L et al. A revised airway epithelial hierarchy includes CFTR-expressing ionocytes. *Nature* 2018-01-08 [PMID: 30069044] (IF/IHC, Mouse)

Schmider Ab, Bauer Nc, Sunwoo H et Al. Two and three-color STORM analysis reveals higher-order assembly of leukotriene synthetic complexes on the nuclear envelope of murine neutrophils *J. Biol. Chem.* 2020-03-09 [PMID: 32152223]

SchUtz B, Ruppert AL, Strobel O et al. Distribution pattern and molecular signature of cholinergic tuft cells in human gastro-intestinal and pancreatic-biliary tract *Sci Rep* 2019-11-25 [PMID: 31767912] (ICC/IF, Human)

Schmider AB, Vaught M, Bauer NC, Elliott HL. The organization of leukotriene biosynthesis on the nuclear envelope revealed by single molecule localization microscopy and computational analyses *bioRxiv* 1905-07-11 [PMID: 30735559] (ICC/IF, Rat)

Huang YH, Sharifpanah F, Becker S et al. Impact of Arachidonic Acid and the Leukotriene Signaling Pathway on Vasculogenesis of Mouse Embryonic Stem Cells. *Cells Tissues Organs.* 2016-05-31 [PMID: 27198524] (WB, Mouse)

Huang YH. Impact of the arachidonic acid/leukotriene signaling pathway for vasculogenesis and leukocyte differentiation of mouse embryonic stem cells. thesis. 2015-10-26 (WB, Mouse)

More publications at <http://www.novusbio.com/NB300-891>





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Products Related to NB300-891

NBL1-07484	FLAP Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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