

Product Datasheet

ASC1 Antibody - BSA Free NBP1-89656

Unit Size: 0.1 ml

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

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NBP1-89656

ASC1 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

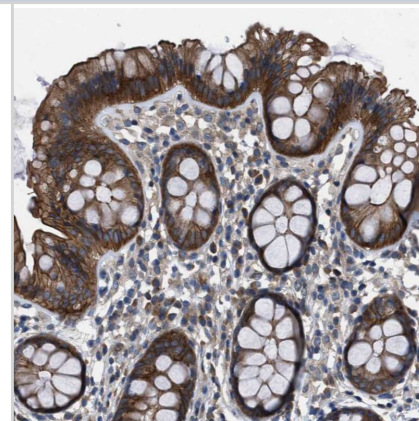
Product Description	
Description	Novus Biologicals Rabbit ASC1 Antibody - BSA Free (NBP1-89656) is a polyclonal antibody validated for use in IHC and WB. Anti-ASC1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9325
Gene Symbol	TRIP4
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ILQRDSNKSQKLLKKLMSGVENSQKVDISTKDLLPHQELRIKSGLEKAIKHKDKL LEFDRTSIRRTQVIDDESDYFASDSNQWLSKLERETLQKREEELRELRHASRLS KKVTIDFAGRKILEEENSLA

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

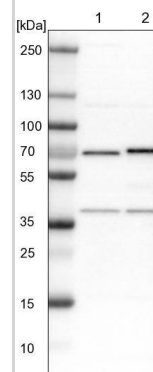


Images

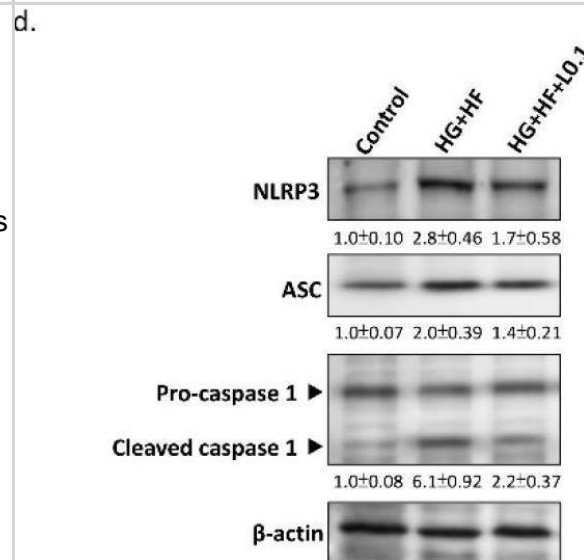
Staining of human colon shows cytoplasmic positivity in glandular cells.



Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells)
Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells)



Liraglutide inhibits glucolipotoxicity-induced NFκB pro-inflammatory responses. (a) Western blots showed that 0.1 μM Liraglutide inhibits glucolipotoxicity-induced NFκB p65 subunit phosphorylation at Ser536 and prevents IκBα degradation at 24 h. (b) Double fluorescence staining revealed that Liraglutide inhibits the entry of the NFκB p65 subunit into the nucleus under glucolipotoxicity. Scale bar: 20 μm. (c) qPCR results demonstrated that under glucolipotoxicity, liraglutide significantly reduces the mRNA expression levels of the IL-1β, TNFα, and MCP-1 pro-inflammatory cytokines, and simultaneously restores the IL-4, IL-10, and IGF-1 anti-inflammatory cytokines. (d) Western blot analysis of NLRP3, ASC, and cleaved-caspase-1 confirmed that Liraglutide suppresses glucolipotoxicity-induced inflammasome activation. Arrows indicate nuclear p65 immunolabeling. All values are presented as the mean ± SEM. Significant difference was determined using multiple comparisons of Dunnett's posthoc test for ** p < 0.01 compared to the Control group; ## p < 0.01 compared to the HG+HF group. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36291547>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Kornelius E, Tsou SH, Chang CC et al. Liraglutide Attenuates Glucolipotoxicity-Induced RSC96 Schwann Cells' Inflammation and Dysfunction *Biomolecules* 2022-09-21 [PMID: 36291547] (Western Blot, Mouse)

Davignon L, Chauveau C, Julien C, Dill C et al. The transcription coactivator ASC-1 is a regulator of skeletal myogenesis and its deficiency causes a novel form of congenital muscle disease *Human Molecular Genetics* 2016-02-09 [PMID: 27008887] (WB, Mouse)



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Products Related to NBP1-89656

NBP1-89656PEP	ASC1 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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