

Product Datasheet

ASB7 Antibody - BSA Free NBP1-86157

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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NBP1-86157

ASB7 Antibody - BSA Free

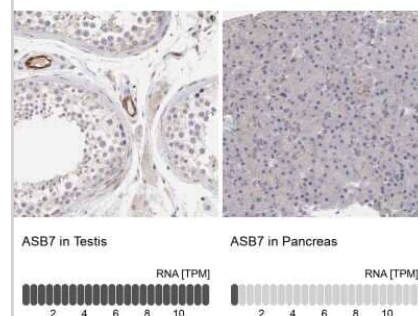
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	140460
Gene Symbol	ASB7
Species	Human
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID:33251222)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: HHHCRRNPELQEELQIQAAVAAGDVHTVRKMLEQQGYSPNGRDANGWTLHFS AARGKERCVRVFLEHGADPTVKDLIGGFTALHYAAMHGRARIARLMLESEYRS DIINAKSNDGWTPHVAAHYGRDSFVRLLEFKA EVDPLSDK

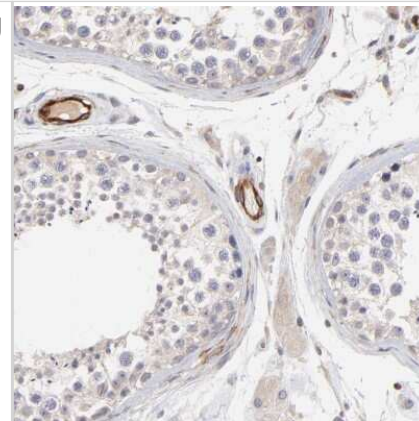
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	IHC-P, Retrieval method: HIER pH6, ICC/IF, Fixation/Permeabilization: PFA/Triton X-100.

Images

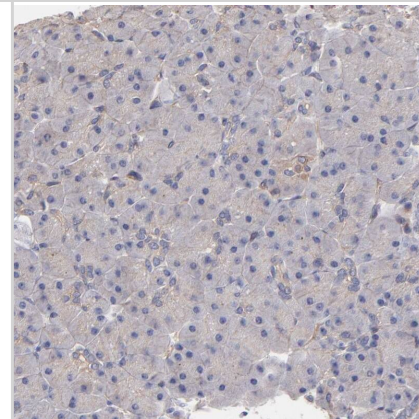
Immunohistochemistry-Paraffin: ASB7 Antibody [NBP1-86157] - Staining in human testis and pancreas tissues using anti-ASB7 antibody. Corresponding ASB7 RNA-seq data are presented for the same tissues.



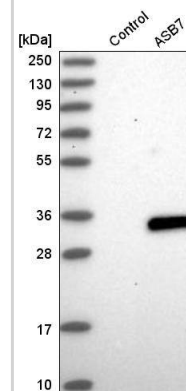
Immunohistochemistry-Paraffin: ASB7 Antibody [NBP1-86157] - Staining of human testis shows high expression.



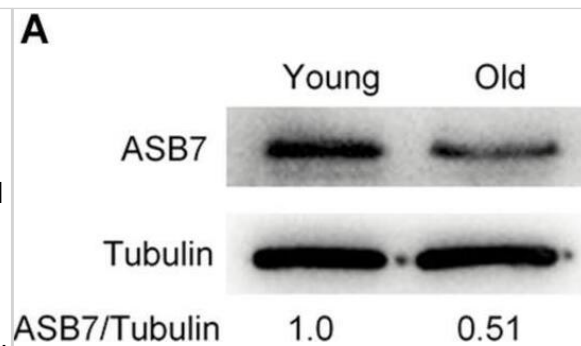
Staining of human pancreas shows low expression as expected.



Analysis in control (vector only transfected HEK293T lysate) and aSB7 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



ASB7 overexpression alleviates maternal age-induced oocyte meiotic defects. (A) Representative Western blot showing the ASB7 expression in oocytes from young and old mice (100 oocytes per lane). (B) Schematic illustration of the experimental procedure for overexpression. (C) Representative Western blot result shows the efficiently overexpressed exogenous ASB7 protein. (D) Young, old, old + PBS, and old + ASB7 oocytes were stained with α -tubulin antibody to visualize spindle (green) and counterstained with PI to visualize chromosome (red). Yellow arrowheads direct to the disorganized spindles and white arrows indicate the misaligned chromosomes. Scale bar: 30 μ m. (E) Quantification of young (n = 103), old (n = 112), old + PBS (n = 115), and old + ASB7 (n = 104) oocytes with spindle/chromosome defects. (F) Chromosome spread of young, old, old + PBS, and old + ASB7 MII oocytes. Chromosomes were stained with Hoechst 33342 (blue), and kinetochores were labeled with CREST (purple). Scale bar: 10 μ m. (G) Quantification of aneuploidy in young (n = 35), old (n = 38), old + PBS (n = 34), and old + ASB7 (n = 32) oocytes. Data are expressed as mean percentage \pm SEM of three independent experiments. *p < 0.05 vs controls. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33251222>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Liu Y, Li X, He Y et al. ASB7 Is a Novel Regulator of Cytoskeletal Organization During Oocyte Maturation *Front Cell Dev Biol* 2020-11-05 [PMID: 33251222] (WB, Mouse)

Details:

Mouse oocytes, either injected with siRNA or mRNA to knock down or overexpress ASB7, underwent Western blot analysis.



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Products Related to NBP1-86157

NBP1-86157PEP	ASB7 Recombinant Protein Antigen
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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