

Product Datasheet

C12orf73 Antibody - BSA Free

NBP1-90536

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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Updated 3/4/2026 v.20.1

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NBP1-90536

C12orf73 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

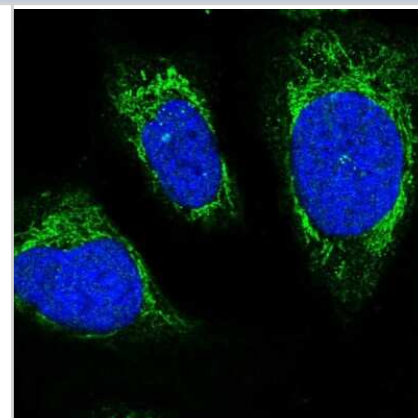
Host	Rabbit
Gene ID	728568
Gene Symbol	C12ORF73
Species	Human, Zebrafish
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (80%). Zebrafish reactivity reported in (PMID: 32161263).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AEVVHRYRYPDLTIPEIPPKRGELKTELLGLKERKHKPQVSQQEEL

Product Application Details

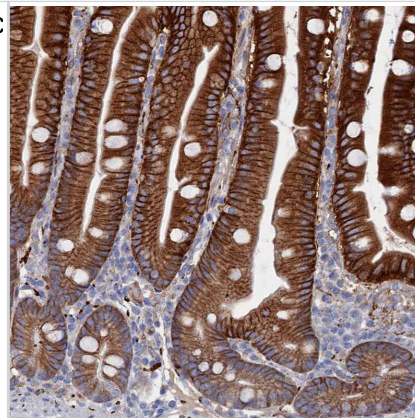
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated, Knockout Validated
Recommended Dilutions	Western Blot Reported in scientific literature (PMID:32161263), Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500, Knockout Validated, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

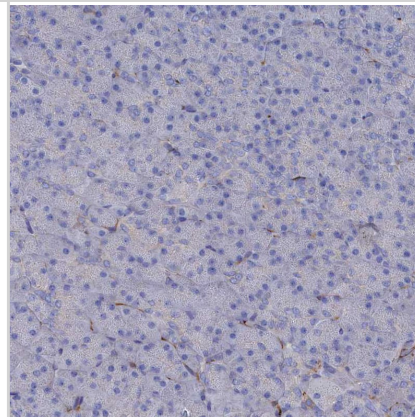
Immunocytochemistry/Immunofluorescence: C12orf73 Antibody [NBP1-90536] - Staining of human cell line U-2 OS shows localization to mitochondria & centrosome. Antibody staining is shown in green.



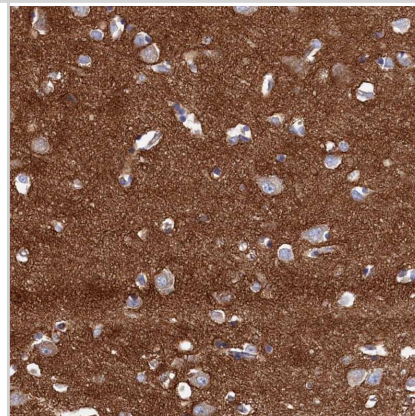
Staining of human gastrointestinal shows moderate to strong cytoplasmic positivity in glandular cells.



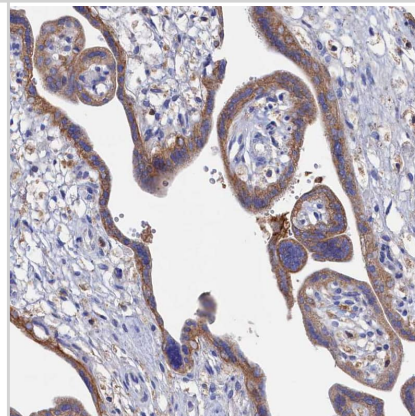
Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Staining of human cerebral cortex shows strong positivity in neuropil.



Staining of human placenta shows moderate cytoplasmic positivity in trophoblastic cells.



Publications

Liang C, Zhang S, Robinson D, Ploeg MV et Al. Mitochondrial microproteins link metabolic cues to respiratory chain biogenesis Cell Rep 2022-08-17 [PMID: 35977508]

Zhang S, Reljic B, Liang C et Al. Mitochondrial peptide BRAWNIN is essential for vertebrate respiratory complex III assembly Nat Commun 2020-03-11 [PMID: 32161263] (ICC/IF, WB, Zebrafish)



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Products Related to NBP1-90536

NBP1-90536PEP	C12orf73 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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