

Datasheet for ABIN388770
anti-Neurogenin 3 antibody (N-Term)

6 Images

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Overview

Quantity:	400 µL
Target:	Neurogenin 3 (NEUROG3)
Binding Specificity:	AA 40-69, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurogenin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Neurogenin3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-69 amino acids from the N-terminal region of human Neurogenin3.
Clone:	RB02913
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Neurogenin 3 (NEUROG3)
Alternative Name:	Neurogenin3 (NEUROG3 Products)

Target Details

Background: Neurogenin-3 belongs to a family of basic helix-loop-helix transcription factors involved in the determination of neural precursor cells in the neuroectoderm. Neurogenin-3 also required for the specification of a common precursor of the 4 pancreatic endocrine cell types. Defects in NEUROG3 are the cause of congenital malabsorptive diarrhea 4 (DIAR4). DIAR4 is an autosomal recessive disorder characterized by generalized malabsorption and a paucity of enteroendocrine cells.

Molecular Weight: 23077

Gene ID: 50674

NCBI Accession: [NP_066279](#)

UniProt: [Q9Y4Z2](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:2000. WB: 1:500. WB: 1:2000. IHC-P: 1:25. IHC-P: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

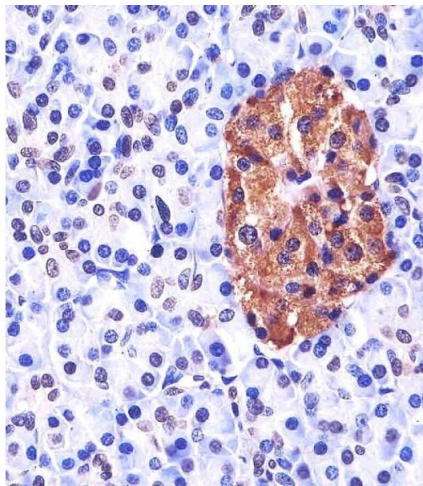
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze-thaw cycles.

Storage: 4 °C,-20 °C

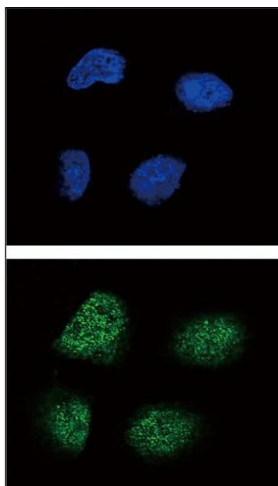
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.

Expiry Date: 6 months



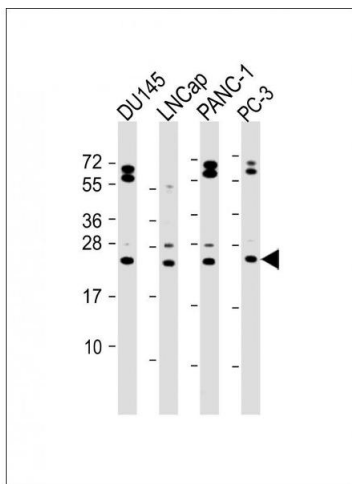
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. A staining Neurogenin3 in human pancreas tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of Neurogenin3 Antibody (N-term) (ABIN388770 and ABIN2839081) with NCI- cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. All lanes : Anti-Neurogenin3 Antibody (N-term) at 1:2000 dilution Lane 1: D whole cell lysate Lane 2: LNCap whole cell lysate Lane 3: NC-1 whole cell lysate Lane 4: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN388770.