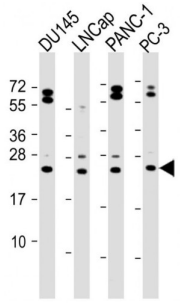
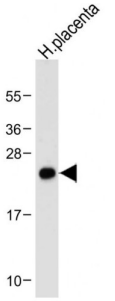
Neurogenin 3 (NEUROG3) Antibody

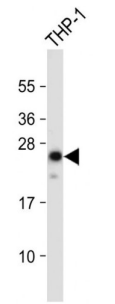
Catalogue No.:abx031470



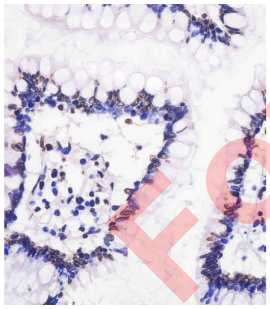
WB analysis of various whole cell lysates (20 µg/lane), using Neurogenin 3 antibody (1/2000 dilution) and HRP-conjugated Goat anti-Rabbit IgG (H+L) (1/10000 dilution). Predicted band size: 23 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



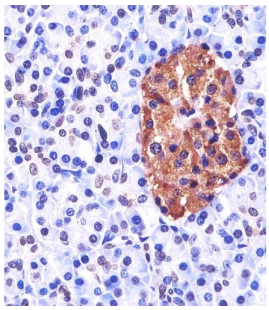
WB analysis of human placenta tissue (20 µg), using Neurogenin 3 antibody (1/500 dilution) and HRP-conjugated Goat anti-Rabbit IgG (H+L) (1/10000 dilution). Predicted band size: 23 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



WB analysis of human THP-1 whole cell lysates (20 µg), using Neurogenin 3 antibody (1/2000 dilution) and HRP-conjugated Goat anti-Rabbit IgG (H+L) (1/10000 dilution). Predicted band size: 23 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



IHC-P analysis of human small intestine tissue. The tissue was fixed with formaldehyde and blocked with 3% BSA for 30 min at room temperature. Antigen retrieval was carried out by heat mediation with citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. Undiluted biotin-conjugated goat polyvalent antibody was used as the secondary antibody.



IHC-P analysis of human pancreas tissue. The tissue was fixed with formaldehyde and blocked with 3% BSA for 30 min at room temperature. Antigen retrieval was carried out by heat mediation with citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. Undiluted biotin-conjugated goat polyvalent antibody was used as the secondary antibody.

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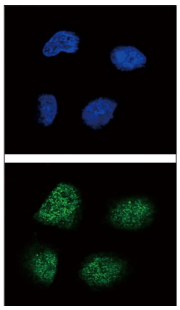

IF analysis of NCI-H460 cells, using Neurogenin 3 antibody abd AF488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nucleus (blue).

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.

Target:	Neurogenin 3 (NEUROG3)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/2000, IHC-P: 1/25, IF/ICC: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 40-69 amino acids from the N-terminal region of human Neurogenin 3.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q9Y4Z2 (UniProt, ExPASy)
Gene Symbol:	NEUROG3
GeneID:	50674

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NCBI Accession:	NP_066279.2
String:	9606.ENSP00000242462
Molecular Weight:	Calculated MW: 23.1 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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