



# Neurogenin 3 Monoclonal Antibody

Catalog No	BYab-12612
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	NEUROG3
Protein Name	Neurogenin-3
Immunogen	Purified recombinant fragment of human Neurogenin-3 expressed in E. Coli.
Specificity	Neurogenin 3 Monoclonal Antibody detects endogenous levels of Neurogenin 3 protein.
Formulation	Antibody are purified by protein G affinity chromatography. Liquid in PBS containing 50% glycerol and 0.03% sodium azide.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NEUROG3; ATOH5; BHLHA7; NGN3; Neurogenin-3; NGN-3; Class A basic helix-loop-helix protein 7; bHLHa7; Protein atonal homolog 5
Observed Band	
Cell Pathway	Nucleus .
Tissue Specificity	Rectum,
Function	disease:Defects in NEUROG3 are the cause of congenital malabsorptive diarrhea 4 (DIAR4) [MIM:610370]. DIAR4 is an autosomal recessive disorder characterized by generalized malabsorption and a paucity of enteroendocrine cells. Patients with congenital diarrhea generally present within the first weeks after birth with severe, life-threatening watery diarrhea that can be classified as either secretory or malabsorptive in nature. Routine clinical evaluation, including intestinal biopsy, may be used to further categorize the diarrhea according to the severity of the inflammation and to assess the integrity of the crypt-villus axis and the architecture of the epithelial layer. On the basis of both clinical and pathological characteristics, various specialized formulas may be used to minimize the diarrheal symptoms, although some children require extended

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periods of intravenous nutrition to sus

#### Background

The protein encoded by this gene is a basic helix-loop-helix (bHLH) transcription factor involved in neurogenesis. The encoded protein likely acts as a heterodimer with another bHLH protein. Defects in this gene are a cause of congenital malabsorptive diarrhea 4 (DIAR4).[provided by RefSeq, May 2010],

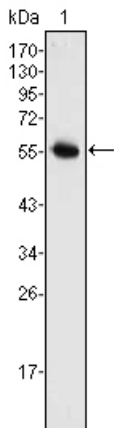
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western Blot analysis using Neurogenin 3 Monoclonal Antibody against full-length NGN3 (aa1-214)-hIgGFc transfected HEK293 cell lysate (1).

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