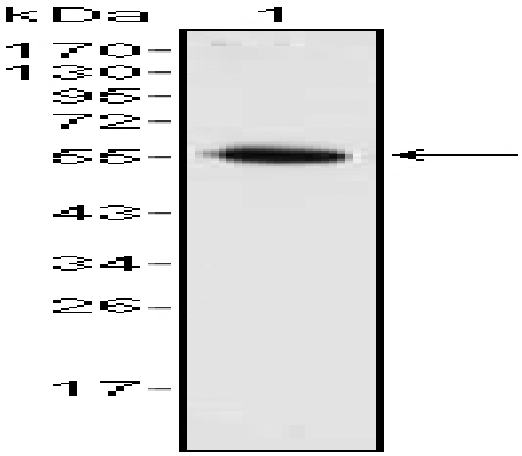
Best Tools for immunology Research

Neurogenin 3 Monoclonal Antibody

Catalog No :	YM0471
Reactivity :	Human
Applications :	WB;ELISA
Target :	Neurogenin 3
Fields :	>>Maturity onset diabetes of the young
Gene Name :	NEUROG3
Protein Name :	Neurogenin-3
Human Gene Id :	50674
Human Swiss Prot No :	Q9Y4Z2
Mouse Swiss Prot No :	P70661
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 :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight :	23kD
Cell Pathway :	Maturity onset diabetes of the young;
P References :	1. Proc Natl Acad Sci U S A. 2000 Feb 15;97(4):1607-11. 2. J Cell Biol. 2002 Oct 28;159(2):303-12.
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],
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 periods of intravenous nutrition to sus
Subcellular Location :	Nucleus .
Expression :	Rectum,
Sort :	10719
No4 :	1
Host :	Mouse
Modifications :	Unmodified

Products Images



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