

Mouse Anti-Neurogenin3 antibody

SLM-51663M

Product Name	Neurogenin3
Chinese Name	神经元素 3 单克隆抗体
Alias	NGN3; NGN-3; neurogenin 3; Neurog3; Neurogenin-3; ATH4B; Atoh5; Math4B; NEUROG3; ngn3; OTTHUMP00000019730; Protein atonal homolog 5; Class A basic helix-loop-helix protein 7; NGN3_HUMAN.
Research Area	Cell biology Neurobiology transcriptional regulatory factor Epigenetics
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	F11S3
React Species	Human, WB=1:500-2000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	23kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human Neurogenin3 between 1-214 amino acids.
Lsotype	IgG2a,k
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Neurogenin-3 (NEUROG3) is expressed in endocrine progenitor cells and is required for endocrine cell development in the pancreas and intestine (Wang et

al., 2006 [PubMed 16855267]). It belongs to a family of basic helix-loop-helix transcription factors involved in the determination of neural precursor cells in the neuroectoderm.

Function:

Involved in neurogenesis. Also required for the specification of a common precursor of the 4 pancreatic endocrine cell types.

Subcellular Location:

Nucleus.

DISEASE:

Defects in NEUROG3 are the cause of diarrhea type 4 (DIAR4) [MIM:610370]. DIAR4 is characterized by severe, life-threatening watery diarrhea associated with generalized malabsorption and a paucity of enteroendocrine cells.

Similarity:

Contains 1 basic helix-loop-helix (bHLH) domain.

SWISS:

Q9Y4Z2

Gene ID:

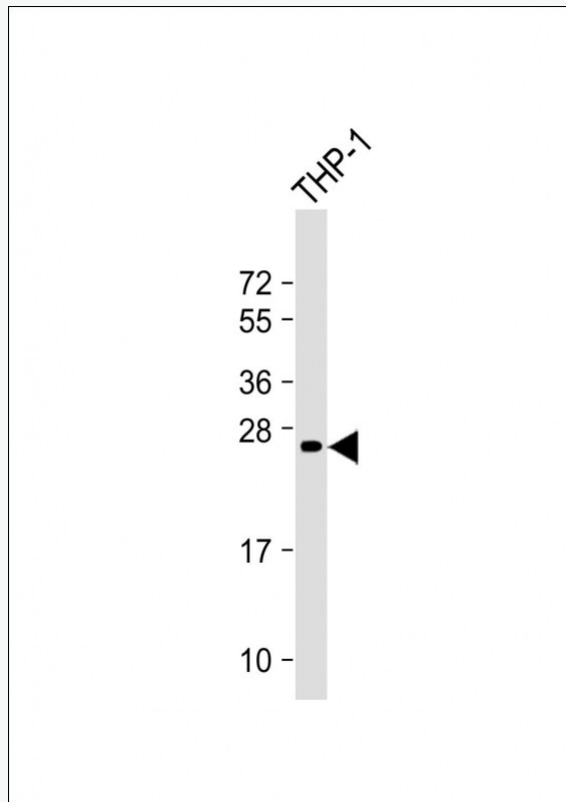
50674

Database links:

[Entrez Gene: 50674](#) Human

[SwissProt: Q9Y4Z2](#) Human

Product Picture



Sample:

Lane 1: THP-1 cell lysates

Primary: Anti-Neurogenin3 (SLM-51663M) at 1/4000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 23 kD

Observed band size: 26 kD