

11-8071: Polyclonal Antibody to Neurog 3/Ngn 3

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	NEUROG3
Gene ID :	50674
Uniprot ID :	Q9Y4Z2
Format :	Purified
Alternative Name :	Class A basic helix-loop-helix protein 7, Protein atonal homolog 5, ATOH5, BHLHA7, NGN3
Isotype :	Rabbit IgG
Immunogen Information :	Full length recombinant Ngn3 protein was used as the immunogen for this antibody.

Description

Neurog 3/Ngn 3 belongs to the bHLH (basic helix-loop-helix) class of transcription factors and functions primarily as an activator of gene transcription in endocrine progenitor cells. It is expressed in a small percentage of cells within the developing pancreas consisting of endocrine progenitor cells, and functions to directly enhance the expression of the lineage-committed transcription factors required for the differentiation of the endocrine progenitor cells into each of the endocrine cell subtypes. Ngn3 binds directly to the promoters of the beta -cell specific transcription factors beta2/NeuroD and Pax4 to promote the differentiation of progenitor cells into the b cell lineage. Ngn3 expression is extinguished coincident with the expression of the endocrine hormones that define the endocrine lineages, for example the insulin expression in beta cells. (21099270, 18599526)

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 4-6 µg/ml

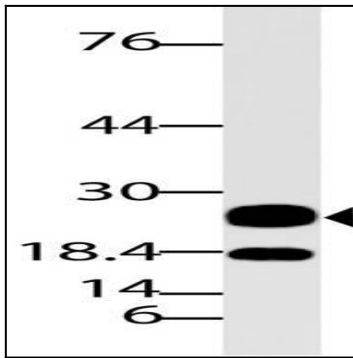


Fig-1: Western blot analysis of Neurog 3/Ngn 3. Anti-Neurog 3/Ngn 3 antibody (11-8071) was used at 6 $\mu\text{g}/\text{ml}$ on Liver lysate.