

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

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	NEUROG3
<b>Gene ID :</b>	50674
<b>Uniprot ID :</b>	Q9Y4Z2
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Class A basic helix-loop-helix protein 7, Protein atonal homolog 5, ATOH5, BHLHA7, NGN3
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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

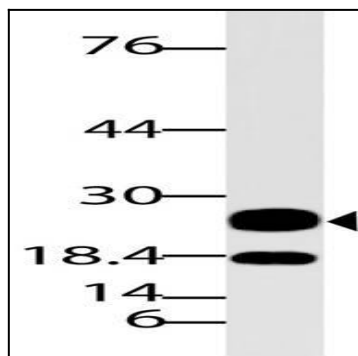


Fig-1: Western blot analysis of Neurog 3/Ngn 3. Anti-Neurog 3/Ngn 3 antibody (11-8071) was used at 6  $\mu$ g/ml on Liver lysate.