

## 11-8065: Polyclonal Antibody to Mafa

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Polyclonal   |
| <b>Application :</b>           | WB   |
| <b>Reactivity :</b>            | Human  |
| <b>Gene :</b>                  | MAFA   |
| <b>Gene ID :</b>               | 389692   |
| <b>Uniprot ID :</b>            | Q8NHW3   |
| <b>Format :</b>                | Purified   |
| <b>Alternative Name :</b>      | MAFA   |
| <b>Isotype :</b>               | Rabbit IgG   |
| <b>Immunogen Information :</b> | A partial length recombinant Mafa protein (amino acids 192-353) was used as the immunogen for this antibody. |

### Description

Musculoaponeurotic fibrosarcoma oncogene family A (MafA) is a pancreatic transcriptional factor that is important to pancreatic beta-cell function. It is a member of the musculo-aponeurotic fibrosarcoma oncogene family, a subgroup of the basic leucine zipper transcription factors with homology to the v-Maf oncoprotein. It acts as a transcriptional regulator that promotes the expression of genes important in glucose-induced insulin secretion, such as insulin, glucokinase and glucose transporter protein-2. Mafa is unique in being exclusively expressed at the secondary and principal phase of insulin-expressing cell production during pancreas organogenesis and is the only transcriptional activator present exclusively in islet beta-cells thus may be involved in pathogenesis of diabetes.

### 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: 1-2 µg/ml

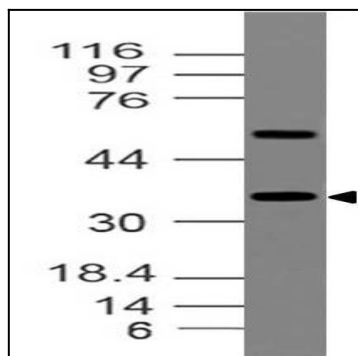


Fig-1: Western blot analysis of Mafa. Anti-Mafa antibody (11-8065) was used at 1  $\mu$ g/ml on h Kidney lysate.