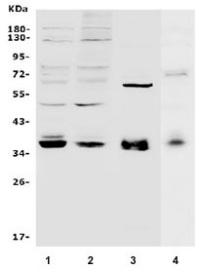
# MAFA Antibody (R32282)

| Catalog No. | Formulation | Size |
|---|---|---|
| R32282 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **UniProt** | Q8NHW3 |
| **Applications** | Western blot: 0.1-0.5ug/ml |
| **Limitations** | This MAFA antibody is available for research use only. |




Western blot testing of human 1) HEK293, 2) K562, 3) 22RV1 and 4) rat PC-12 lysate with MAFA antibody. Predicted molecular weight ~37 kDa.

## Description

MAFA is a transcription factor that binds RIPE3b, a conserved enhancer element that regulates pancreatic beta cell-specific expression of the insulin gene. MAFA plays a key role in coordinating and controlling the level of insulin gene expression in islet beta cells. It is located in 8q24.3. The intracellular domain of MAFA contains a single immunoreceptor tyrosine-based inhibitory motif (ITIM), which classifies MAFA as a member of an inhibitory receptor superfamily. The inhibitory capacity of MAFA is best defined in mast cells, where MAFA keeps in check the antigen-induced (i.e. Fc epsilon RI-induced) secretion ofinflammatory mediators.

## Application Notes

Optimal dilution of the MAFA antibody should be determined by the researcher.

## Immunogen

Amino acids EDAVEALIGSGHHGAHHGAHHPAAAAAYEAFR of human MAFA were used as the immunogen for the MAFA antibody.

## Storage

After reconstitution, the MAFA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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