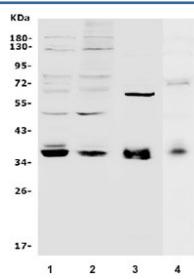


## MAFA Antibody (R32282)

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 of inflammatory mediators.

## Application Notes

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

## Immunogen

Amino acids EDAVEALIGSGHHGAAHHPAAAAAYEAFR 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.