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Datasheet for ABIN905353 anti-MAFA antibody (Alexa Fluor 350)

Overview

Quantity:	100 µL
Target:	MAFA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAFA antibody is conjugated to Alexa Fluor 350
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Mafa
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	MAFA
Alternative Name:	Mafa (MAFA Products)
Background:	Synonyms: Mafa homolog, V-maf musculoaponeurotic fibrosarcoma oncogene homolog A, Pancreatic beta-cell-specific transcriptional activator, avian V-maf musculoaponeurotic fibrosarcoma oncogene homolog A, MAFA_MOUSE. Background: Insulin gene expression is regulated by several islet-enriched transcription factors.

Target Details

However, MAFA is the only beta cell-specific activator. MAFA selectively induces endogenous insulin transcription in non-beta cells. MAFA was also first detected in the insulin-producing cells formed during the second and predominant phase of beta cell differentiation, and absent in the few insulin-positive cells found in Nkx6.1(-/-) pancreata, which lack the majority of second-phase beta cells. These results demonstrate that MAFA is a potent insulin activator that is likely to function downstream of Nkx6.1 during islet insulin-producing cell development.

Gene ID:	389692
Pathways:	Hormone Transport

Application Details

Application Notes:	IF(IHC-P): (1:50-200) Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months