

Datasheet for ABIN3043609
anti-MAFA antibody (Middle Region)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	MAFA
Binding Specificity:	AA 136-167, Middle Region
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAFA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Transcription factor MafA(MAFA) detection. Tested with WB in Human,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human MAFA(136-167aa EDAVEALIGSGHHGAHHGAHPAAAAAYEAFR), identical to the related mouse sequence.
Sequence:	EDAVEALIGS GHHGAHHGAH HPAAAAAYEA FR
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: human</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Transcription factor MafA(MAFA) detection. Tested with WB

Product Details

	in Human,Rat.
	Gene Name: v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A
	Protein Name: Transcription factor MafA

Purification: Immunogen affinity purified.

Target Details

Target:	MAFA
Alternative Name:	MAFA (MAFA Products)

Background: 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.

Synonyms: HMafA antibody|Mafa antibody|MAFA_HUMAN antibody|Pancreatic beta cell specific transcriptional activator antibody|Pancreatic beta-cell-specific transcriptional activator antibody|RIPE3b1 antibody|Transcription factor MafA antibody|Transcription factor RIPE3b1 antibody|v maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian) antibody|v maf musculoaponeurotic fibrosarcoma oncogene homolog A antibody|V-maf musculoaponeurotic fibrosarcoma oncogene homolog A antibody

Gene ID: 389692

Pathways: [Hormone Transport](#)

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Human, The detection limit for MAFA is approximately 0.1 ng/lane under reducing conditions. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Anti- MAFA antibody, Western blotting All lanes:
Anti MAFA at 0.5ug/ml WB: Rat Cardiac Muscle Tissue
Lysate at 50ug Predicted bind size: 37KD Observed bind
size: 37KD