Datasheet for ABIN2786654

anti-MIF antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	MIF
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Sheep, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MIF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MIF
Sequence:	PQYIAVHVVP DQLMAFGGSS EPCALCSLHS IGKIGGAQNR SYSKLLCGLL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against MIF. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MIF
Alternative Name:	MIF (MIF Products)

Target Details

Background:	This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways. Alias Symbols: GIF, GLIF, MMIF Protein Interaction Partner: WDYHV1, UBC, MIF, MDM2, ASB15, ZNF408, UPF2, BNIPL, HCVgp1, NGFRAP1, VCAM1, ITGA4, FN1, IGBP1, CLNS1A, COPS5, TP53, NME1, CDK2, STUB1, HSP90AA1, VHL, STRN4, COPS6, GORASP2, CD74, FIBP, Protein Size: 115
Molecular Weight:	12 kDa
Gene ID:	4282
NCBI Accession:	NM_002415, NP_002406
UniProt:	P14174
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour, Smooth Muscle Cell Migration, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 115 AA
Restrictions:	For Research Use only

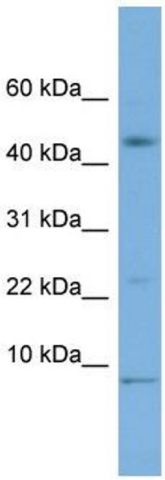
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-MIF Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human heart

Rabbit Anti-MIF Antibody
Catalog Number: ARP56347
Lot Number: QC29585
Lane: Fetal Heart Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 10-20%

Western Blotting

Image 2. WB Suggested Anti-MIF

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: Human heart