

Rabbit MITF Polyclonal Antibody | anti-MITF antibody

MITF antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198218	Rabbit	Tested Species Reactivity: Human, Mouse Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish	Western Blot

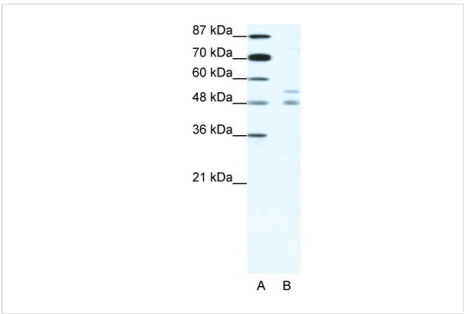
PRODUCT SYNONYMS

MITF; Polyclonal Antibody; MITF antibody - N-terminal region; anti-MITF antibody

PRODUCT SPECIFICATIONS

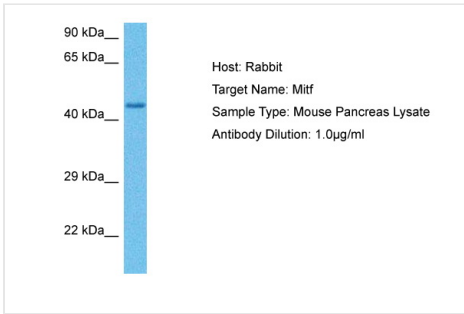
Host	Rabbit
Reactivity	Tested Species Reactivity: Human, Mouse Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	1.0 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: TH LENPTKYHIQ QAQRQVKQY LSTTLANKHA NQVLSLPCPN QPGDHVMP
Sequence Length	419
Applicable Applications for anti-MITF antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human MITF
Protein Size (# AA)	419 amino acids
Protein Interactions	EBP; STUB1; HK3; EPAS1; LEF1; APP; HINT1; ELAVL1; CDK2; SUMO2; PSMD14; MARK3; PIAS3; PIAS2; PIAS1; SUMO1; UBE2I; PAX3; OTX2; PAX6; PATZ1; GSK3B; TFEC; EP300; RPS6KA1; TFEB; MAPK14; TFE3; MAPK1; SPI1; FOS; CTNNB1; CDKN1A; RB1;
Blocking Peptide	For anti-MITF antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-MITF Antibody Titration: 1.25ug/mlELISA Titer: 1:1562500Positive Control: HepG2 cell lysate



WB (Western Blot)

Host: MouseTarget Name: MITFSample Tissue: Mouse PancreasAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-MITF antibody	Target Description: MITF is a transcription factor that contains both basic helix-loop-helix and leucine zipper structural features. It regulates the differentiation and development of melanocytes retinal pigment epithelium and is also responsible for pigment cell-specific transcription of the melanogenesis enzyme genes. Heterozygous mutations in the this gene cause auditory-pigmentary syndromes, such as Waardenburg syndrome type 2 and Tietz syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified.
Product Categories/Family for anti-MITF antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Developmental Biology; Disease Related; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557755
NCBI GeneID	4286
NCBI Accession #	NP_000239
NCBI GenBank Nucleotide #	NM_000248
UniProt Accession #	O75030
Molecular Weight	47kDa
NCBI Official Full Name	microphthalmia-associated transcription factor isoform 4
NCBI Official Synonym Full Names	melanocyte inducing transcription factor
NCBI Official Symbol	MITF
NCBI Official Synonym Symbols	MI; WS2; CMM8; WS2A; COMMAD; bHLHe32
NCBI Protein Information	microphthalmia-associated transcription factor
UniProt Protein Name	Microphthalmia-associated transcription factor
UniProt Gene Name	MITF
UniProt Synonym Gene Names	BHLHE32; bHLHe32
UniProt Entry Name	MITF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.