

Rabbit MITF Polyclonal Antibody | anti-MITF antibody

MITF Antibody (N-term)

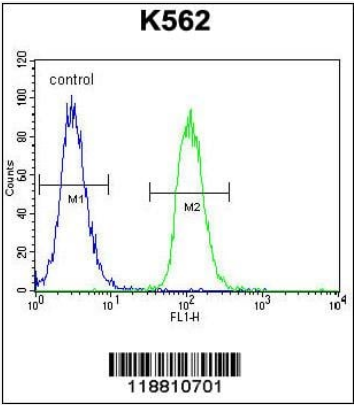
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288292	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

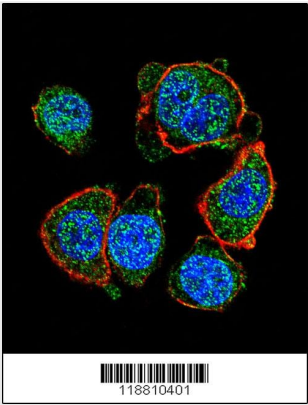
MITF; Polyclonal Antibody; MITF Antibody (N-term); Microphthalmia-associated transcription factor; Class E basic helix-loop-helix protein 32; bHLHe32; BHLHE32; anti-MITF antibody

PRODUCT SPECIFICATIONS

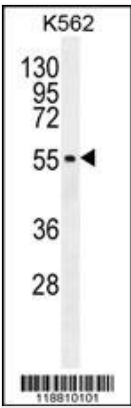
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MITF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-28 amino acids from the N-terminal region of human MITF.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-28
Sequence Length	419
Applicable Applications for anti-MITF antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



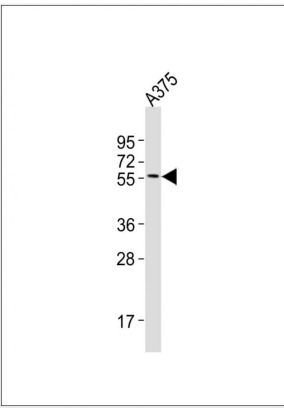
FCM/FACS (Flow Cytometry)
MITF Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of MITF Antibody (N-term) with hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
MITF Antibody (N-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the MITF antibody detected the MITF protein (arrow).



WB (Western Blot)
Anti-MITF Antibody (N-term)at 1:2000 dilution + A375 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 59 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MITF antibody	This gene encodes 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	Immunology
References	Wang, Y., et al. BMC Med 8, 14 (2010) : Shiohara, M., et al. Int J Lab Hematol 31(2):215-226(2009) Hershey, C.L., et al. Gene 347(1):73-82(2005) Miller, A.J., et al. J. Biol. Chem. 280(1):146-155(2005) Shibahara, S., et al. J. Investig. Dermatol. Symp. Proc. 6(1):99-104(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557755
NCBI GeneID	4286
NCBI Accession #	NP_000239.1; NP_001171896.1; NP_006713.1; NP_937801.1; NP_937802.1; NP_937820.1; NP_937821.2
NCBI GenBank Nucleotide #	NM_000248.3

UniProt Accession #	O75030; Q14841; Q9P2V0; Q9P2V1; Q9P2V2; Q9P2Y8; B4DJL2; D3K197; E9PFN0
Molecular Weight	58795
NCBI Official Full Name	microphthalmia-associated transcription factor isoform 4
NCBI Official Synonym Full Names	microphthalmia-associated transcription factor
NCBI Official Symbol	MITF
NCBI Official Synonym Symbols	MI; WS2; CMM8; WS2A; 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.

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 Online datasheet: <https://stage.aaabiotech.com/polyclonal/mitf-antibody-flow-cytometry-immunofluorescence-western-blot-elisa/288292>