MITF (Phospho-Ser180/73) Antibody

Catalog No: #12018

Package Size: #12018-1 50ul #12018-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

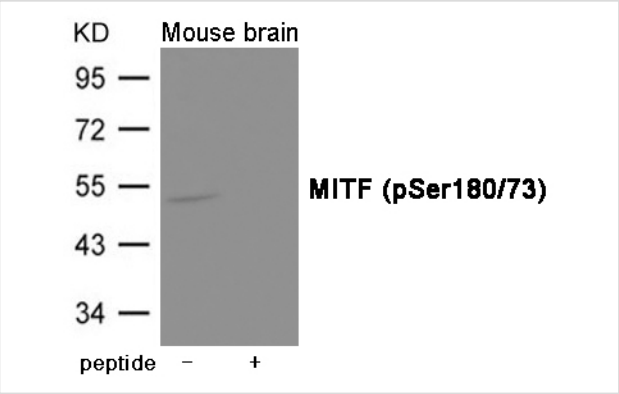
Product Name	MITF (Phospho-Ser180/73) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of MITF only when phosphorylated at Serine 180/73.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 180(P-N-S(p)-P-M)/Serine 73(Q-E-R(p)-R-E) derived from Human MITF.
Target Name	MITF
Modification	Phospho
Other Names	MI, WS2, CMM8, WS2A, bHLHe32
Accession No.	Swiss-Prot#: O75030; NCBI Gene#: 4286; NCBI Protein#: XP_005264811.1
Uniprot	O75030
GeneID	4286;
SDS-PAGE MW	52kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Predicted MW: 52kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Mouse brain tissue using MITF (Phospho-Ser180/73) Antibody #12018.The lane on the right is treated with the antigen-specific peptide.

Background

Transcription factor that regulates the expression of genes with essential roles in cell differentiation, proliferation and survival. Binds to symmetrical DNA sequences (E-boxes) (5'-CACGTG-3') found in the promoters of target genes, such as BCL2 and tyrosinase (TYR). Plays an important role in melanocyte development by regulating the expression of tyrosinase (TYR) and tyrosinase-related protein 1 (TYRP1). Plays a critical role in the differentiation of various cell types, such as neural crest-derived melanocytes, mast cells, osteoclasts and optic cup-derived retinal pigment epithelium.

Note: This product is for in vitro research use only