BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-MITF Antibody (Monoclonal, ABM1H91)

Catalog Number: M00269

About MITF

The transcription factor Forkhead-box A1 (FOXA1), also known as hepatocyte nuclear factor 3-alpha, is a member of the FOX class of transcription factors.HNF-1 (), and HNF-6 compose, in part, a homeoprotein family designated the hepatocyte nuclear factor family. The various HNF-1 isoforms regulate transcription of genes in the liver as well as in other tissues such as kidney, small intestine and thymus. FOXA1 is expressed in normal breast ductal epithelium and other epithelium in different organs, such as lung, pancreas, bladder, prostate, and colon. Recently, FOXA1 has been shown to be a major determinant of estrogen-ER activity and endocrine response in breast cancer cells. FOXA1 expression correlates with estrogen receptor (ER)-positivity, especially in luminal subtype A breast cancers, which is associated with favorable prognosis. FOXA1 is useful in the sub-classification of breast carcinomas.

Overview

Product Name	Anti-MITF Antibody (Monoclonal, ABM1H91)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-MITF Antibody (Monoclonal, ABM1H91) (Catalog# M00269). Tested in IHC, WB application(s). This antibody reacts with Mouse, Human.
Conjugate	Biotin
Application	IHC, WB
Clonality	Monoclonal ABM1H91
Formulation	100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide.
Storage Instructions	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.
Host	Mouse
Uniprot ID	O75030

Technical Details

Immunogen	A partial length recombinant MITF protein (amino acids 150-427)
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Isotype	IgG1 Kappa
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.

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Purification	Protein G Chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot: 2-4 μg/ml, IHC: 10 μg/ml

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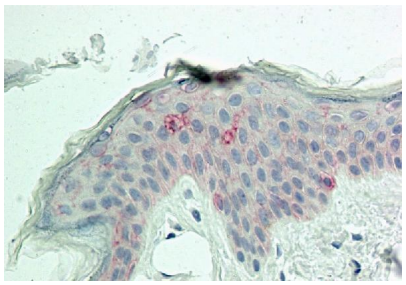
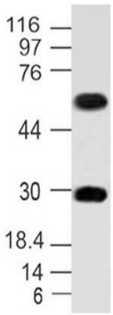
Anti-MITF Antibody (Monoclonal, ABM1H91) (M00269) Images



2 Immunohistochemical analysis of MITF in human Skin tissue using MITF antibody (Clone: ABM1H91) at 10 &mu



Western blot analysis of MITF. Anti-MITF antibody (Clone: ABM1H91) was tested at 4 &mu