

Anti-Wnt-1 Monoclonal Antibody

Catalog Number: M00354

About WNT1

Paired box protein Pax-6 also known as aniridia type II protein (AN2) or oculorhombin is a transcription factor with key functions in the development of the eye, nose, central nervous system and pancreas. Pax6 further seems to be required for the differentiation of pancreatic islet alpha cells. PAX6 has been shown to bind to a promoter element in the glucagon, insulin and somatostatin promoters and regulates the specification of the ventral neuron subtypes by establishing the correct progenitor domains. Isoform 5a appears to function as a molecular switch that specifies target genes. Anti-PAX6 antibody is ideal for researchers interested in developmental biology, stem cell research, cell growth and cancer research.

Overview

Product Name	Anti-Wnt-1 Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Wnt-1 Monoclonal Antibody catalog # M00354. Tested in ELISA, Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal 10C8
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P04628

Technical Details

Immunogen	Purified recombinant fragment of Wnt-1 expressed in E. Coli.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	Affinity purification
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:

WB 1:500-1:2000

IHC 1:200-1:1000

IF 1:200-1:1000

FC 1:200-1:400

ELISA 1:10000

Anti-Wnt-1 Monoclonal Antibody (M00354) Images

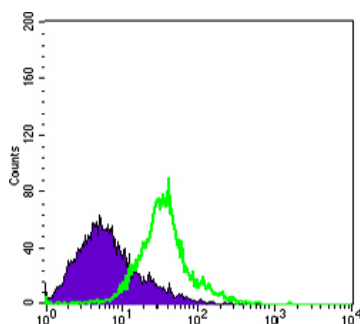


Figure 3. Flow Cytometry validation of WNT1 using Anti-Wnt-1 Monoclonal Antibody (M00354).

Flow cytometric (FCM) analysis of HeLa cells using Wnt-1 Monoclonal Antibody (green) and negative control (purple).

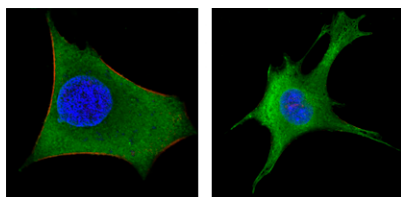


Figure 4. Immunofluorescent staining data of WNT1 using Anti-Wnt-1 Monoclonal Antibody (M00354).

Confocal Immunofluorescence (IF) analysis of HeLa (left) and 3T3-L1 (right) cells using Wnt-1 Monoclonal Antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

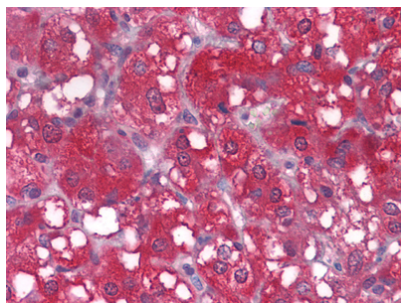


Figure 2. Immunohistochemistry validation of WNT1 using Anti-Wnt-1 Monoclonal Antibody (M00354).

Immunohistochemistry (IHC) analysis of paraffin-embedded human Adrenal tissues with AEC staining using Wnt-1 Monoclonal Antibody.
For more protocol information of IHC

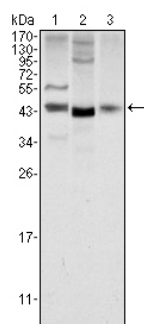


Figure 1. Western blotting validation for Anti-Wnt-1 Monoclonal Antibody M00354

Western Blot (WB) analysis using Wnt-1 Monoclonal Antibody against NIH/3T3 (1)

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