

## Anti-SOX1 Rabbit Monoclonal Antibody

Catalog Number: M08724

### About SOX1

Putative transcription factor involved in pancreas development and function.

### Overview

Product Name	Anti-SOX1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SOX1 Rabbit Monoclonal Antibody catalog # M08724. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal GIA-19
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	Rabbit
Uniprot ID	O00570

### Technical Details

Immunogen	A synthesized peptide derived from human SOX1
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:1000-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200</p>



## Anti-SOX1 Rabbit Monoclonal Antibody (M08724) Images

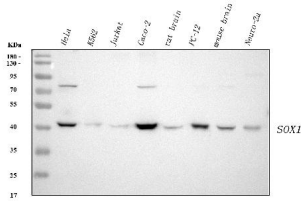


Figure 1. Western blot analysis of SOX1 using anti-SOX1 antibody (M08724).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,  
Lane 2: human K562 whole cell lysates,  
Lane 3: human Jurkat whole cell lysates,  
Lane 4: human Caco-2 whole cell lysates,  
Lane 5: rat brain tissue lysates,  
Lane 6: rat PC-12 whole cell lysates,  
Lane 7: mouse brain tissue lysates,  
Lane 8: mouse Neuro-2a whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-SOX1 antigen affinity purified monoclonal antibody (Catalog # M08724) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SOX1 at approximately 39 kDa. The expected band size for SOX1 is at 39 kDa.

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