

Datasheet for ABIN6391384  
**anti-SOX2 antibody (N-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	SOX2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SOX2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Purpose:	SOX2
Sequence:	YNMMETELKP PGPQQ
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

Target:	SOX2
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## Target Details

Alternative Name:	SOX2 ( <a href="#">SOX2 Products</a> )
Background:	SOX2, SRY (sex determining region Y)-box 2, ANOP3, MGC2413 , SRY-related HMG-box gene 2, sex-determining region Y-box 2, transcription factor SOX2
Gene ID:	6657
NCBI Accession:	<a href="#">NP_003097</a>
Pathways:	<a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Cell RedoxHomeostasis</a>

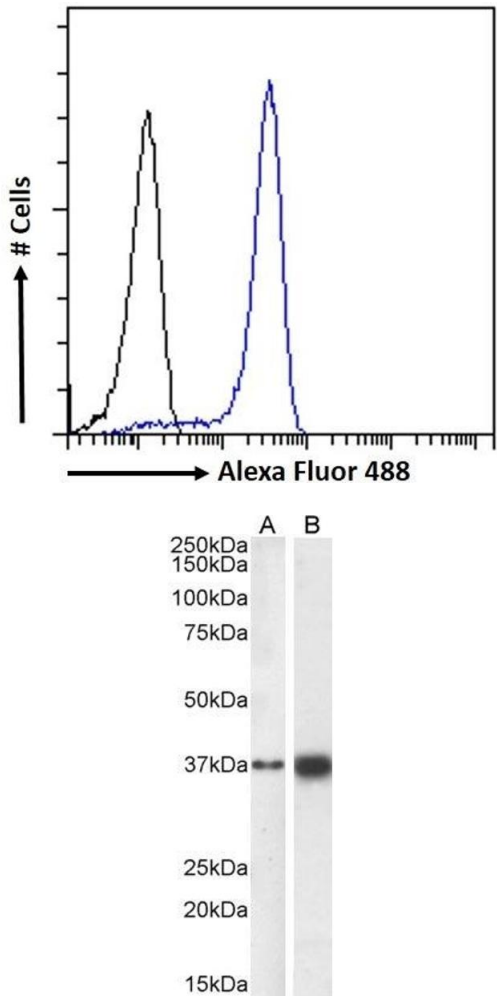
## Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Tonsil. Recommended concentration: 6-8 $\mu$ g/mL.  Western Blot: Approx 40 kDa band observed in HEK293 and MCF7 cell lysates and in nuclear lysates of cell line MCF7 (calculated MW of 34.3 kDa according to )NP_003097.1). This molecular weight is routinely observed by other sources. Recommended concentrati  Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	<b>Flow Cytometry:</b> Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

at 4°C for a few weeks and still remain viable.

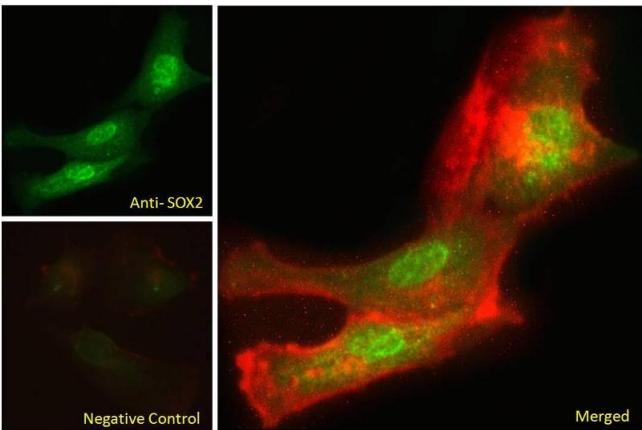


### Flow Cytometry

**Image 1.** (ABIN6391384) Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

### Western Blotting

**Image 2.** ABIN6391384 (0.3µg/ml) staining of MCF7 nuclear (A) and U251 (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



### Immunofluorescence

**Image 3.** ABIN6391384 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6391384.