

Datasheet for ABIN932194

**anti-SOX12 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	SOX12
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SOX12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Dot Blot (DB)

## Product Details

Immunogen:	SOX12 antibody was raised in mouse using recombinant Human Sry (Sex Determining Region Y)-Box 12
Clone:	86C2a
Isotype:	IgG2a
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

## Target Details

Target:	SOX12
Alternative Name:	SOX12 ( <a href="#">SOX12 Products</a> )

## Target Details

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**Background:** Members of the SOX family of transcription factors are characterized by the presence of a DNA-binding high mobility group (HMG) domain, homologous to the HMG box of sex-determining region Y (SRY). Forming a subgroup of the HMG domain superfamily, SOX proteins have been implicated in cell fate decisions in a diverse range of developmental processes. SOX transcription factors have diverse tissue-specific expression patterns during early development and have been proposed to act as target-specific transcription factors and/or as chromatin structure regulatory elements. The protein encoded by this gene was identified as a SOX family member based on conserved domains and its expression in various tissues suggests a role in both differentiation and maintenance of several cell types. Synonyms: Monoclonal SOX12 antibody, Anti-SOX12 antibody, SRY (sex determining region Y) box 12 antibody, SOX22 antibody.

## Application Details

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**Application Notes:** WB: 0.2-2 µg/mL, ICC: 2-100 µg/mL  
Optimal conditions should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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**Concentration:** Lot specific

**Buffer:** SOX12 antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub> PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub> HPO<sub>4</sub> (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN<sub>3</sub>).

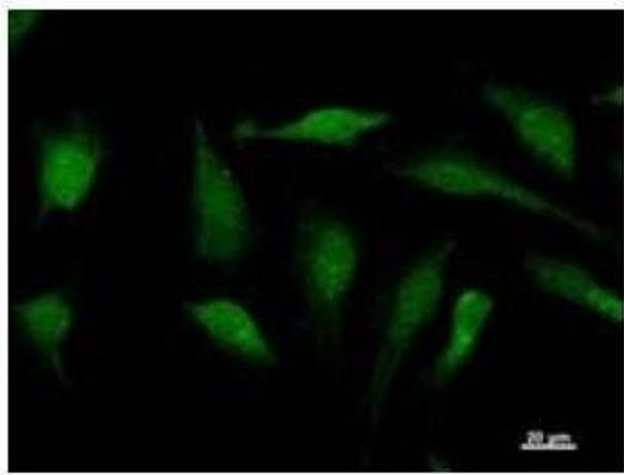
**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

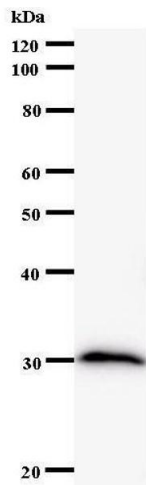
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



### Immunofluorescence

**Image 1.** Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-SOX12 antibody.



### Western Blotting

**Image 2.**