

Datasheet for ABIN6243286

anti-SOX2 antibody (AA 89-119)**3** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	SOX2
Binding Specificity:	AA 89-119
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	This SOX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-119 amino acids from the Central region of human SOX2.
Clone:	RB13875
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, X, C, M, Sh
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SOX2
Alternative Name:	SOX2 (SOX2 Products)

Target Details

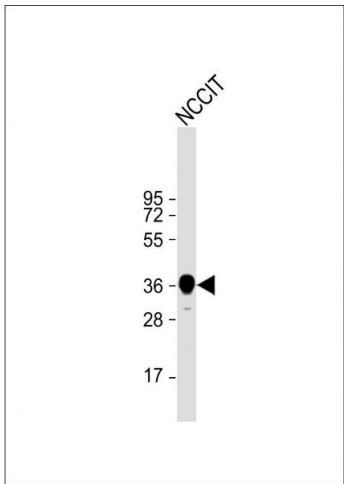
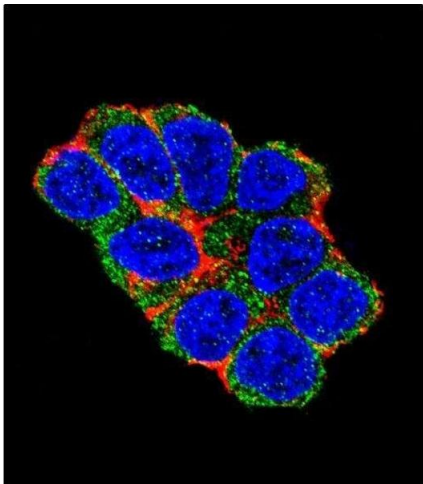
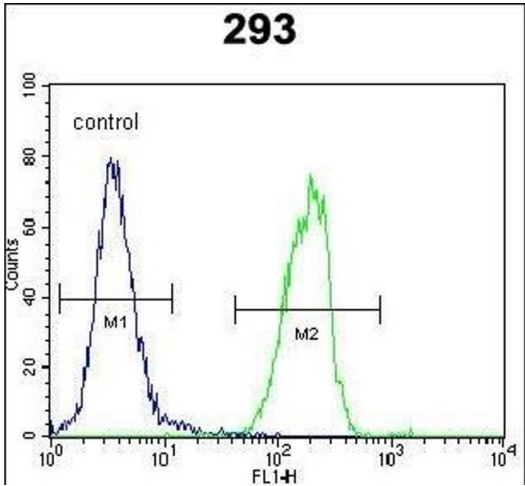
Background:	SOX2 is a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. This protein may act as a transcriptional activator after forming a protein complex with other proteins. Mutations in the SOX2 gene have been associated with bilateral anophthalmia, a severe form of structural eye malformation.
Molecular Weight:	34310
NCBI Accession:	NP_003097
UniProt:	P48431
Pathways:	Dopaminergic Neurogenesis , Sensory Perception of Sound , Stem Cell Maintenance , Cell RedoxHomeostasis

Application Details

Application Notes:	IF: 1:10~50. WB: 1:4000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



Flow Cytometry

Image 1. SOX2 Antibody (Center) (ABIN6243286 and ABIN6577389) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunofluorescence

Image 2. Confocal immunofluorescent analysis of SOX2 Antibody (Center) (ABIN6243286 and ABIN6577389) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DI was used to stain the cell nuclear (blue).

Western Blotting

Image 3. Anti-SOX2 Antibody (Center) at 1:4000 dilution + NCCIT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.