antibodies - online.com







anti-SOX2 antibody (N-Term)





Publications



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

Product Details

Immunogen:	This SOX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-119 amino acids from the N-terminal region of human SOX2.
Clone:	RB14026
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, X, C, M, Sh
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

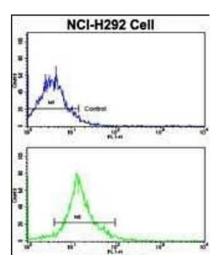
Target:	SOX2	

Target Details

The intronless gene for SOX2 encodes 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. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. Mutations in the SOX2 gene have been	
determination of cell fate. The encoded 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.	
34310	
6657	
NP_003097	
P48431	
Dopaminergic Neurogenesis, Sensory Perception of Sound, Stem Cell Maintenance, Cell	
RedoxHomeostasis	
IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50	
For Research Use only	
Liquid	
Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Sodium azide	
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
should be handled by trained staff only.	
4 °C,-20 °C	
Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in smal	
aliquots to prevent freeze-thaw cycles.	
6 months	
Wang, Wang, Liu, Liu, Tay, Walsh, Yang, Wu: "CRISPR/Cas9 mediated genome editing of	

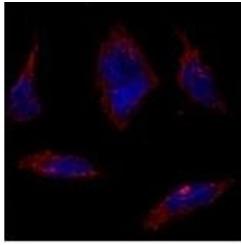
Helicoverpa armigera with mutations of an ABC transporter gene HaABCA2 confers resistance to Bacillus thuringiensis Cry2A toxins." in: **Insect biochemistry and molecular biology**, Vol. 87, pp. 147-153, (2017) (PubMed).

Images



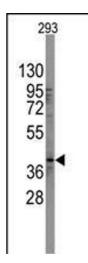
Flow Cytometry

Image 1. Flow cytometric analysis of NCI- cells using SOX2 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goatanti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Immunofluorescence analysis of SOX2 Antibody (N-term) (ABIN388797 and ABIN2839124) in HeLa cells. 0.025 mg/mL primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DI.



Western Blotting

Image 3. Western blot analysis of SOX2 Antibody (N-term) in 293 cell line lysates ($35\,\mu g$ /lane). SOX2(arrow) was detected using the purified Pab.

Please check the product details page for more images. Overall 5 images are available for ABIN388797.