For Research Use Only

SOX2 Polyclonal antibody Catalog Number: 11064-1-AP Featured Product

319 Publications



Basic Information	Catalog Number: 11064-1-AP	GenBank Accession N BC013923	under.	Purification Method: Antigen affinity purification				
	Size:	GenelD (NCBI):		Recommended Dilutions:				
	150ul , Concentration: 600 ug/ml by	6657		WB: 1:500-1:1000				
	Nanodrop;	UNIPROT ID:		IHC: 1:50-1:200				
	Source:	P48431		IF-P: 1:50-1:500				
	Rabbit	Full Name:		IF/ICC: 1:50-1:500 IF: 1:10-1:100				
	Isotype:	SRY (sex determining region Y)-box 2						
	lgG	Calculated MW:						
	Immunogen Catalog Number: AG1530	34 kDa						
		Observed MW: 34-40 kDa						
Applications	Tested Applications:		Positive Controls:					
	WB, IHC, IF/ICC, IF-P, ELISA		WB : HEK-293 cells,					
	Cited Applications: WB, IHC, IF, IP, CoIP Species Specificity: human, mouse, rat, zebrafish		IHC : human lung cancer tissue, human cervical squamous cancer tissue, human gliomas tissue, mous brain tissue, mouse embryo tissue					
					Cited Species:		IF-P: mouse brain tissue, human embronic stem cells,	
					human, mouse, rat, pig, hamster, goat		mouse embryo tissue	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		IF/ICC : U-251 cells, IF : Retinal organoids, mouse olfactory epithelium tissue, Zebrafish tissue					
	Background Information	renewal of undifferentiated ES cells fibroblasts to a pluripotent state. Sow development. Affinity purified rabbi cells. This antibody is a rabbit polycl	and is one of the key tr 2 expressed in undiffe t anti-Sox2 antibody ca onal antibody raised a is intermingled with th 2 and Nestin, and lacks	anscription factor rentiated plurip on be used to der gainst an interna e Bergmann glia markers of glia	al region of human SOX2. a rare a of the adult murine cerebellar cortex, l or neuronal diferentiation. Sox2-			
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Selected Validation Data



Retinal organoids (day 30) generated from human induced pluripotent stem cells (iPSCs) and fixed with 4% PFA. Stained for PAX6 with 12323-1-AP at 1:600 (green), and SOX2 with 11064-1-AP at 1:200 (red), Nuclear stain DAPI (blue). Scale bar = 20 µm. Data generated by Alessandro Bellapianta at Johannes Kepler Universitat, Austria.



IF result of SOX2 antibody (11064-1-AP, 1:300) with 1% PLP fixed adult mouse olfactory epithelium. (Red:CK14; Green: SOX2; Blue: DAPI). By Brian Lin, Tufts University.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11064-1-AP (SOX2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.





IF result of anti-SOX2 (11064-1-AP) whith the

midbrain of zebrafish by Dr.Caroline.

20X Sagittal section through the ventral midbrain. Dorsal to the top. Dienchephalic ventricle to left. Lateral recess of diecnchepahic ventricle to the right.

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Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 11064-1-AP (SOX2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgC(H+L).

IF result of anti-SOX2 (11064-1-AP) in Zebrafish by Dr. Caroline Parkin.



Immunohistochemical analysis of paraffin-

(under 40x lens).

embedded human lung cancer tissue slide using 11064-1-AP (SOX2 Antibody) at dilution of 1:200



Immunofluorescent analysis of (4% PFA) fixed mouse embryo tissue using 11064-1-AP (SOX2 antibody) at dilution of 1:100 and Alexa Fluor 488conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-

embedded mouse embryo tissue slide using 11064-1-AP (SOX2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).





Immunohistochemical analysis of paraffinembedded mouse embryo tissue slide using 11064-1-AP (SOX2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human cervical squamous cancer tissue slide using 11064-1-AP (SOX2 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using SOX2 antibody (11064-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using SOX2 antibody (11064-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using SOX2 antibody (11064-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Confocal immunofluorescent analysis of human embronic stem cells with 11064-1-AP at dilution of 1:50. The PE shows staining with 11064-1-AP/PE. The DAPI shows nuclear staining by DAPI.

Confocal immunofluorescent analysis of human embronic stem cells with 11064-1-AP at dilution of 1:50. The PE shows staining with 11064-1-AP/PE. The DAPI shows nuclear staining by DAPI.