

产品名称: SOX2 Mouse Monoclonal Antibody
产品货号: AMM85968



产品概述 (Summary)

产品名称 (Production Name)	SOX2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,FC
种属反应性 (Reactivity)	Human, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in TBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SOX2
别名 (Alternative Names)	Transcription factor SOX-2, SOX2
基因 ID (Gene ID)	6657.0
蛋白 ID (SwissProt ID)	P48431.SOX2 recombinant protein is used to produce this monoclonal antibody.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:200-1:2000,IHC 1:100-1:500,ICC 1:20-1:50,FC 1:20-1:50
蛋白分子量 (Molecular Weight)	34.3kDa

研究背景 (Background)

This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the

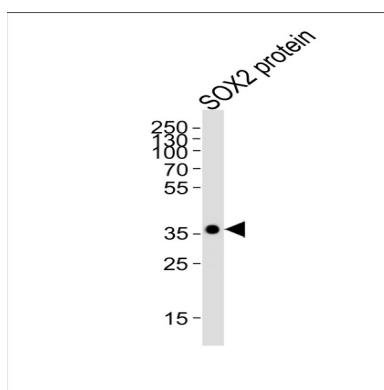
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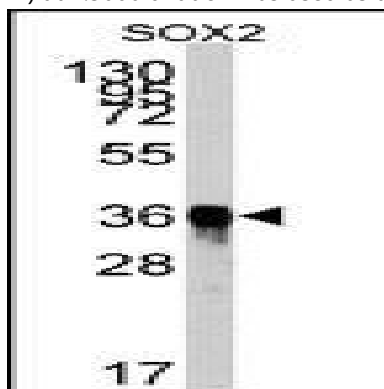
regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).

研究领域 (Research Area)

图片 (Image Data)

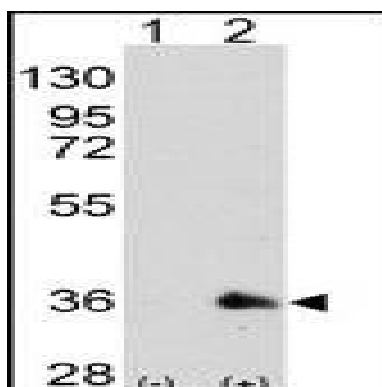


Western blot analysis of lysate from SOX2 protein, using SOX2 Antibody (Cat. #AMM85968). AMM85968 was diluted at 1:4000. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysate at 20 μ g.

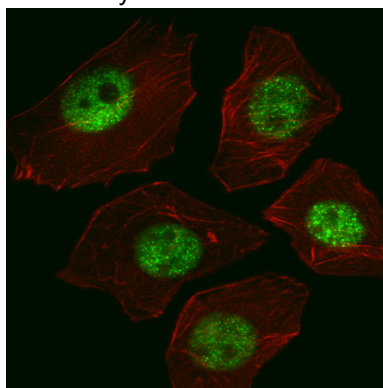


Western blot analysis of SOX2 Antibody (Cat.#AMM85968) by SOX2 recombinant protein. SOX2 (arrow) was detected using the purified Mab.

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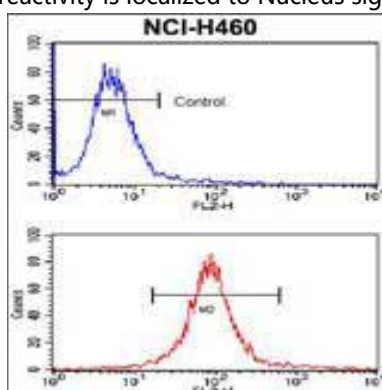


Western blot analysis of SOX2 (arrow) using mouse monoclonal SOX2 antibody (Cat.#AMM85968). 293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected with the SOX2 gene (Lane 2) (Origene Technologies)



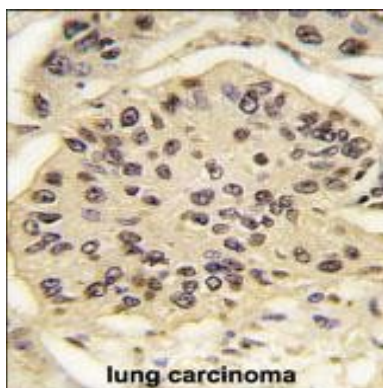
Fluorescent image of A549 cell stained with SOX2 Antibody(Cat#AMM85968/SG110310AA).A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with SOX2 primary antibody (1:25, 1 h at 37°C.

For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:400, 50 min at 37°C.Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C.SOX2 immunoreactivity is localized to Nucleus significantly.

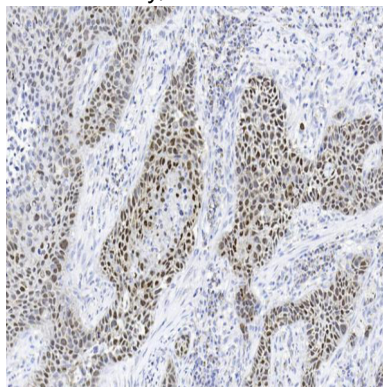


Flow cytometric analysis of NCI-H460 cells using SOX2 Monoclonal Antibody (bottom histogram) compared to a negative control cell (top histogram). PE-conjugated goat-anti-mouse secondary antibodies were used for the analysis.

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Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with SOX2 Antibody (Cat.#AMM85968), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Immunohistochemical analysis of paraffin-embedded Human Lung squamous cell carcinoma section using Pink1(Cat#am2048a). am2048a was diluted at 1:100 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

注意事项 (Note)

For research use only .