

SOX-2 (PTR1367) Mouse mAb

CatalogNo: YM4472 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse

Applications

- WB, IF, ELISA

MW

- 34kD (Calculated)
- 34kD (Observed)

Isotype

- IgG1, Kappa

Recommended Dilution Ratios

WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000.

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PTR1367

Immunogen Information

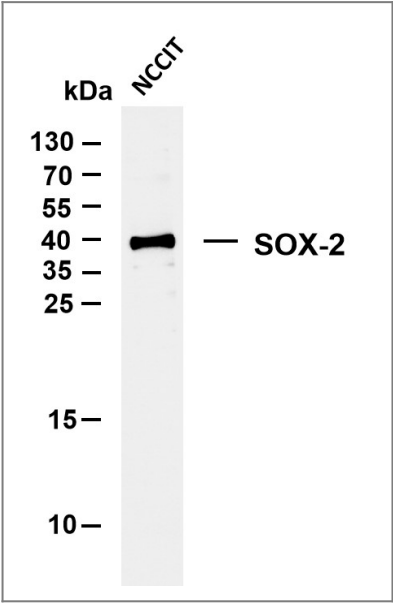
Immunogen Recombinant protein

Specificity This antibody detects endogenous levels of SOX-2 protein.

Target Information

Gene name	SOX2		
Protein Name	Transcription factor SOX-2		
	Organism	Gene ID	UniProt ID
	Human	6657;	P48431;
	Mouse	20674;	P48432;
Cellular Localization	Nuclear		
Tissue specificity	Fetal brain,Lung,Retina,		
Function	Disease:Defects in SOX2 are the cause of microphthalmia syndromic type 3 (MCOPS3) [MIM:206900]. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS3 is characterized by the rare association of malformations including uni- or bilateral anophthalmia or microphthalmia, and esophageal atresia with trachoesophageal fistula.,Function:Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.,online information:Sox2 entry,PTM:Sumoylation inhibits binding on DNA and negatively regulates the FGF4 transactivation.,similarity:Contains 1 HMG box DNA-binding domain.,		

| Validation Data



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-SOX-2 (PTR1367) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: NCCIT Predicted band size: 34kDa Observed band size: 34kDa

| Contact information

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SOX-2 (PTR1367)
Mouse mAb

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