Recombinant SOX2 Monoclonal Antibody

catalog number: **AN301662L**

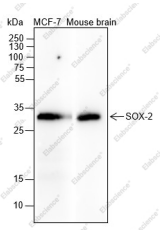
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human SOX2 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111285
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:200-1:1000
IF	1:50

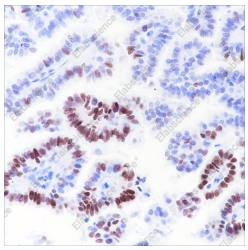
Data



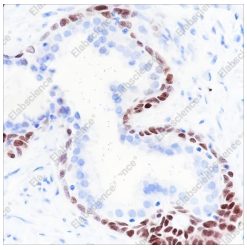
Western Blot with SOX2 Monoclonal Antibody at dilution of 1:1000. Lane 1: MCF-7, Lane 2: Mouse brain

Observed-MW:34 kDa

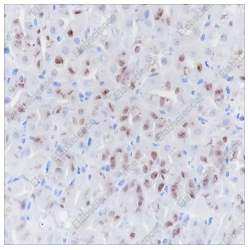
Calculated-MW:34 kDa



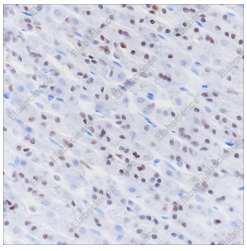
Immunohistochemistry of paraffin-embedded Human lung adenocarcinoma using SOX2 Monoclonal Antibody at dilution of 1:1000.

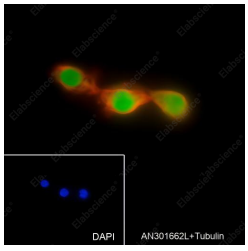


Immunohistochemistry of paraffin-embedded Human prostate hyperplasia using SOX2 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse stomach using SOX2 Monoclonal Antibody at dilution of 1:1000.





Immunohistochemistry of paraffin-embedded Rat stomach using SOX2 Monoclonal Antibody at dilution of 1:1000.

Immunofluorescent analysis of (4% Paraformaldehyde) fixed F9 cells using anti-SOX2 Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

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. Binds to the proximal enhancer region of NANOG. Critical for early embryogenesis and for embryonic stem cell pluripotency.

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