

## Transcription factor SOX-2 Polyclonal Antibody

Catalog No: #42604

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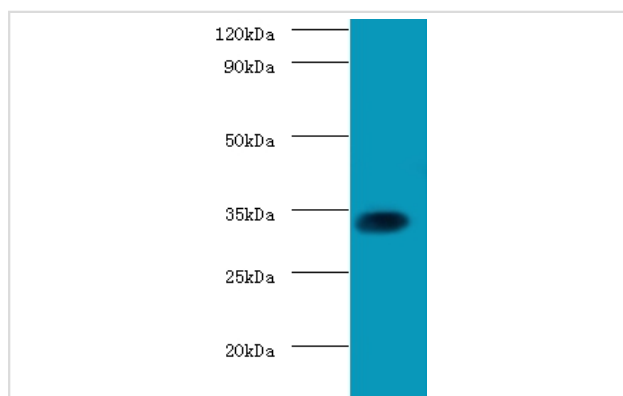
## Description

Product Name	Transcription factor SOX-2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Transcription factor SOX-2 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Transcription factor SOX-2 protein
Target Name	Transcription factor SOX-2
Other Names	SOX2
Accession No.	Swiss-Prot#: P48431
Uniprot	P48431
GeneID	6657;
Calculated MW	34kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

## Application Details

Western blotting: □ 1:500 - 1:1000

## Images



All lanes: Transcription factor SOX-2 antibody at  
2ug/ml+mouse kidney tissue

Secondary  
Goat polyclonal to Rabbit IgG at 1/15000 dilution  
Predicted band size: 34KDa  
Observed band size: 34KDa

## 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 By similarity. Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal By similarity. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation

## References

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[1]The cDNA sequence and chromosomal location of the human SOX2 gene.Stevanovic M., Zuffardi O., Collignon J., Lovell-Badge R., Goodfellow P.Mamm. Genome 5:640-642(1994)[2]Sadler L.A., Badzioch M.D., Wagner M., Graves K.A., Swaroop A., Yang-Feng T.L., Z

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Note: This product is for in vitro research use only