

SOX2 Antibody

Catalog No: #43142

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Description

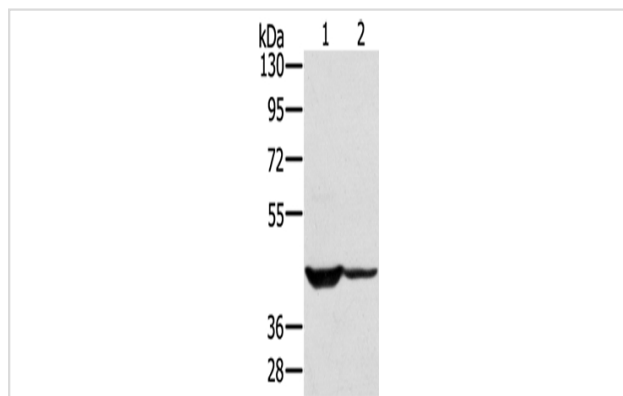
Product Name	SOX2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SOX2 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human SOX2
Target Name	SOX2
Other Names	ANOP3; MCOPS3
Accession No.	Swiss-Prot#: P41225 Gene ID: 6658
Uniprot	P41225
GeneID	6658;
Calculated MW	34kd
Concentration	2.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

Images



Gel: 8%SDS-PAGE

Lysate: 40 µg

Lane 1-2: 231 cells, hela cells

Primary antibody: 1/300 dilution

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds

Background

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

Note: This product is for in vitro research use only