

SOX2 Antibody

Catalog No: #31128

Package Size: #31128-1 50ul #31128-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	SOX2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total SOX2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 250 amino acids of human SRY (sex determining region Y)-box 2
Target Name	SOX2
Other Names	SRY (sex determining region Y)-box 2, ANOP3; MCOPS3
Accession No.	Swiss-Prot:P48431 Gene ID:6657;
Uniprot	P48431
GeneID	6657;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

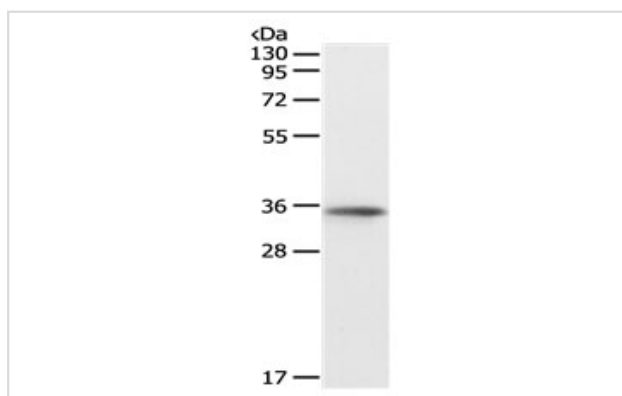
Predicted MW: 34kd

ELISA: 1:1000-1:2000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:15-1:50

Images



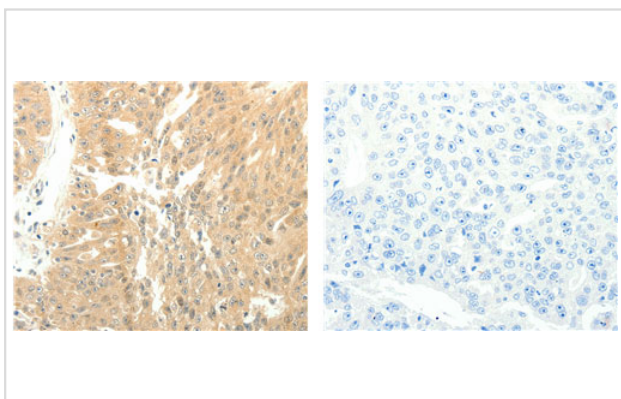
Gel: 12%SDS-PAGE

Lysate: 40 µg MCF7 cell lysate

Primary antibody: 1/300 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 45 seconds



The image on the left is immunohistochemistry of paraffin-embedded human ovarian cancer tissue using 31128 (SOX2 Antibody) at dilution 1/15, on the right is treated with the fusion protein.

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. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).

Note: This product is for in vitro research use only