

SOX2 Antibody

Catalog No: #31128



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

Orders: order@signalwayantibody.com

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Description

Product Name	SOX2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	E 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.	Genbank No.: BC013923
Formulation	Supplied at 0.5mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

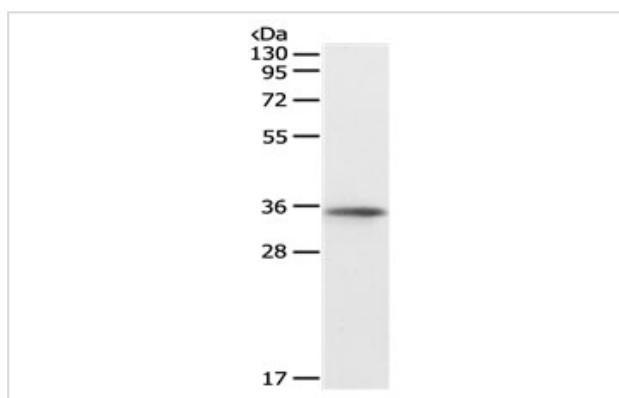
Predicted MW: 34kd

ELISA: 1:1000-1:2000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:15-1:50

Images



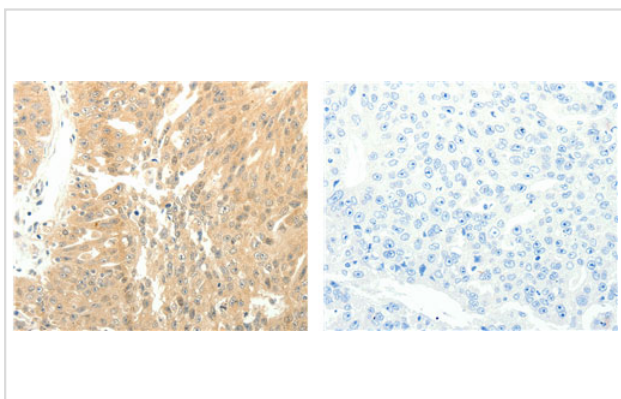
Gel: 12%SDS-PAGE

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 and is not intended for use in humans or animals.