

Product Datasheet

SOX2 antibody [N1C3] GRP105

Description

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). [provided by RefSeq]

Species/Host

Rabbit

Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Tested Applications

FACS, ICC, IF, IHC-Fr, IHC-P, IP, WB

Immunogen

Recombinant protein encompassing a sequence within the center region of human SOX2. The exact sequence is proprietary.

Form/Appearance

Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.

Concentration

0.15 mg/ml

Storage

Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Note

For research use only.

Isotype

IgG

Clonality

Polyclonal

Purity

Purified by antigen-affinity chromatography.

Uniprot ID

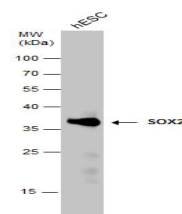
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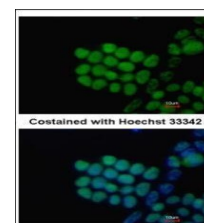
6657

Dilution Range

WB: 1:5000-1:20000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000, IHC-Fr: 1:100-1:1000, FACS: 1:50-1:200, IP: 1:100-1:500



SOX2 antibody detects SOX2 protein by Western blot analysis. Whole cell extracts (30 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with SOX2 antibody (GRP557) at a dilution of 1:2500.



Immunofluorescence analysis of paraformaldehyde-fixed mouse ESC, using SOX2 (GRP557) antibody at 1:80 dilution.