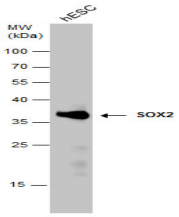
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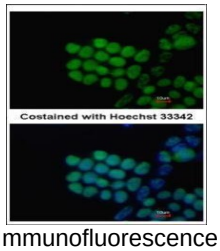
Product Datasheet

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 cente 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 openin 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	P48431
Entrez	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 ?g) 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.