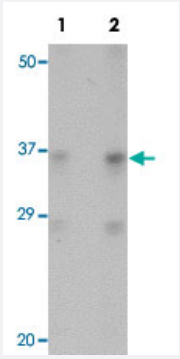
SOX2 polyclonal antibody

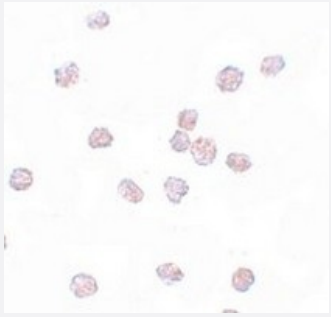
Catalog # PAB19185 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of BALB/3T3 cells with SOX2 polyclonal antibody (Cat # PAB19185) at (Lane 1) 1 and (Lane 2) 2 ug/mL dilution.



Immunocytochemistry

Immunocytochemical staining of BALB/3T3 cells with SOX2 polyclonal antibody (Cat # PAB19185) at 5 ug/mL dilution.

Specification

Product Description	Rabbit polyclonal antibody rasied against synthetic peptide of SOX2.
Immunogen	A synthetic peptide corresponding to 15 amino acids near N-terminus of human SOX2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Peptide affinity purification

Concentration	1 mg/mL
Recommend Usage	Western Blot (1-2 ug/mL) Immunocytochemistry (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of BALB/3T3 cells with SOX2 polyclonal antibody (Cat # PAB19185) at (Lane 1) 1 and (Lane 2) 2 ug/mL dilution.

- Immunocytochemistry

  Immunocytochemical staining of BALB/3T3 cells with SOX2 polyclonal antibody (Cat # PAB19185) at 5 ug/mL dilution.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SOX2

Entrez GeneID	6657
Protein Accession#	NP_003097
Gene Name	SOX2
Gene Alias	ANOP3, MCOPS3, MGC2413
Gene Description	SRY (sex determining region Y)-box 2
Omim ID	184429 206900
Gene Ontology	Hyperlink

Gene Summary	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 (SOX2 OT). [provided by RefSeq
Other Designations	SRY-related HMG-box gene 2|sex-determining region Y-box 2|transcription factor SOX2

Disease

- Anophthalmos
- Coloboma
- Diabetes Mellitus
- Diabetic Nephropathies
- Genetic Predisposition to Disease
- Kidney Failure
- Microphthalmos
- Myopia