10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SOX3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11445c

Specification

SOX3 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P41225
Other Accession	P47792, P53784, Q6EJB7, NP_005625.2
Reactivity	**Human**
Predicted	**Zebrafish, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**45210**
Antigen Region	**166-196**

SOX3 Antibody (Center) - Additional Information

Gene ID 6658

Other Names
Transcription factor SOX-3, SOX3

Target/Specificity
This SOX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-196 amino acids from the Central region of human SOX3.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SOX3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SOX3 Antibody (Center) - Protein Information

Name SOX3

Function Transcription factor required during the formation of the hypothalamo-pituitary axis.

May function as a switch in neuronal development. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation. Required also within the pharyngeal epithelia for craniofacial morphogenesis. Controls a genetic switch in male development. Is necessary for initiating male sex determination by directing the development of supporting cell precursors (pre-Sertoli cells) as Sertoli rather than granulosa cells (By similarity).

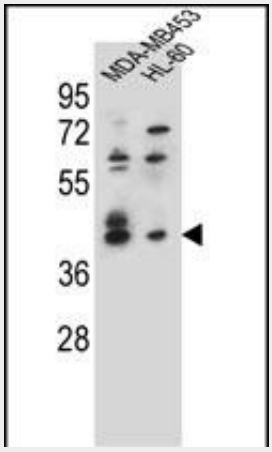
Cellular Location
Nucleus.

SOX3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SOX3 Antibody (Center) - Images



SOX3 Antibody (Center) (Cat. #AP11445c) western blot analysis in MDA-MB453,HL-60 cell line lysates (35ug/lane).This demonstrates the SOX3 antibody detected the SOX3 protein (arrow).

SOX3 Antibody (Center) - Background

This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. Mutations in this gene have been associated with X-linked mental retardation with growth hormone deficiency.

SOX3 Antibody (Center) - References

Dateki, S., et al. J. Clin. Endocrinol. Metab. 95(8):4043-4047(2010)
Sato, Y., et al. Mol. Cell. Biochem. 337 (1-2), 267-275 (2010) :
Mojsin, M., et al. Biochem. J. 425(1):107-116(2010)
Bleyl, S.B., et al. Am. J. Med. Genet. A 143A (23), 2785-2795 (2007) :
Krstic, A., et al. Arch. Biochem. Biophys. 467(2):163-173(2007)