

**SOX3 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3214a****Specification**

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**SOX3 Antibody (C-Term) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P41225</a>
Other Accession	<a href="#">NP_005625.2</a> , <a href="#">6658</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	45210

**SOX3 Antibody (C-Term) - Additional Information****Gene ID** 6658**Other Names**

Transcription factor SOX-3, SOX3

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SOX3 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SOX3 Antibody (C-Term) - 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).

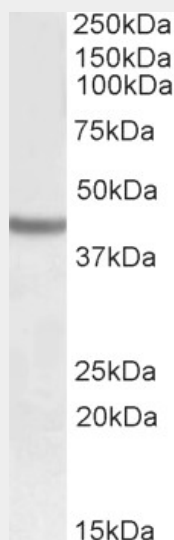
**Cellular Location**

Nucleus.

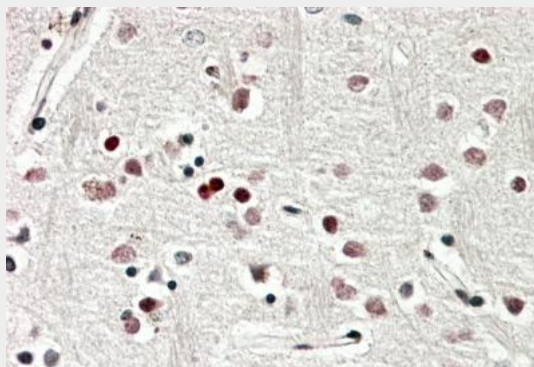
**SOX3 Antibody (C-Term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SOX3 Antibody (C-Term) - Images**

AF3214a (0.5 µg/ml) staining of Human Cerebral Cortex lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3214a (3.8 µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

**SOX3 Antibody (C-Term) - References**

PBX1 and MEIS1 up-regulate SOX3 gene expression by direct interaction with a consensus binding site within the basal promoter region. Mojsin M, Stevanovic M, The Biochemical journal 2010 Jan 425 (1): 107-16. PMID: 19799567