

## SOX3 Antibody (C-Term)

Peptide-affinity purified goat antibody Catalog # AF3214a

# **Specification**

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

Application WB, IHC, E
Primary Accession P41225

Other Accession <u>NP\_005625.2</u>, <u>6658</u>

Reactivity Human

Predicted Mouse, Rat, Dog

Host Goat
Clonality Polyclonal
Concentration 0.5 mg/ml
Isotype IqG

Calculated MW 45210

# SOX3 Antibody (C-Term) - Additional Information

**Gene ID** 6658

## **Other Names**

Transcription factor SOX-3, SOX3

#### **Dilution**

WB~~1:1000 IHC~~1:100~500

E~~N/A

#### **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).

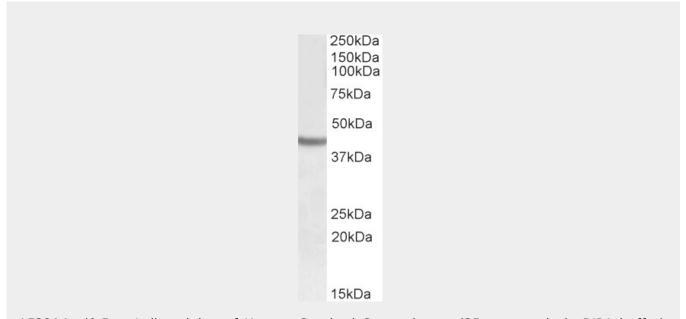
**Cellular Location** Nucleus.

## SOX3 Antibody (C-Term) - Protocols

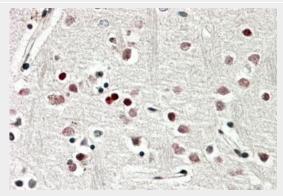
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# SOX3 Antibody (C-Term) - Images



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







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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