

**Goat anti-SOX10 (aa204-217) Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4509a****Specification**

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**Goat anti-SOX10 (aa204-217) Antibody - Product Information**

Application	<b>WB, Pep-ELISA</b>
Primary Accession	<a href="#">P56693</a>
Other Accession	<a href="#">NP_008872.1</a>
Reactivity	<b>Human, Mouse, Rat, Pig, Dog, Bovine</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>49911</b>

**Goat anti-SOX10 (aa204-217) Antibody - Additional Information****Gene ID** 6663**Other Names**

SOX10; SRY (sex determining region Y)-box 10; DOM; MGC15649; PCWH; WS2E; WS4; WS4C; OTTHUMP00000195094; OTTHUMP00000195097; SRY-related HMG-box gene 10; dominant megacolon, mouse, human homolog of; transcription factor SOX-10

**Dilution**

WB~~1:1000  
Pep-ELISA~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**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**

Goat anti-SOX10 (aa204-217) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-SOX10 (aa204-217) Antibody - Protein Information****Name** SOX10**Function**

Transcription factor that plays a central role in developing and mature glia (By similarity). Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS

myelination (By similarity). Once induced, MYRF cooperates with SOX10 to implement the myelination program (By similarity). Transcriptional activator of MITF, acting synergistically with PAX3 (PubMed:<a href="http://www.uniprot.org/citations/21965087" target="\_blank">21965087</a>). Transcriptional activator of MBP, via binding to the gene promoter (By similarity).

**Cellular Location**

Cytoplasm. Nucleus. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q04888}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q04888}; Cytoplasmic side {ECO:0000250|UniProtKB:Q04888}

**Tissue Location**

Expressed in fetal brain and in adult brain, heart, small intestine and colon

**Goat anti-SOX10 (aa204-217) Antibody - 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](#)

**Goat anti-SOX10 (aa204-217) Antibody - Images**