

Rabbit anti-Human, mouse SOX15 Polyclonal Antibody | anti-SOX15 antibody

SOX15 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288997	Rabbit	Human, mouse	Western Blot, Immunohistochemistry, ELISA

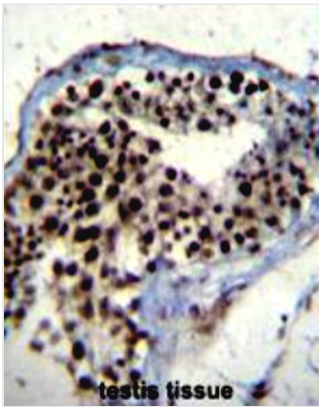
PRODUCT SYNONYMS

SOX15; Polyclonal Antibody; SOX15 Antibody (Center); Protein SOX-15; Protein SOX-12; Protein SOX-20; SOX12; SOX20; SOX26; SOX27; anti-SOX15 antibody

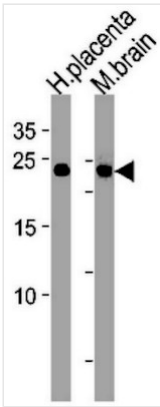
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This SOX15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-125 amino acids from the Central region of human SOX15.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	96-125
Sequence Length	178
Applicable Applications for anti-SOX15 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Function	Transcription factor that binds to DNA at the 5'-AACAAATG-3' consensus sequence (By similarity). Acts as a transcriptional activator and repressor (By similarity). Binds synergistically with POU5F1 (OCT3/4) to gene promoters (By similarity). Binds to the FOXC1 promoter and recruits FHL3, resulting in transcriptional activation of FOXC1 which leads to myoblast proliferation (By similarity). Acts as an inhibitor of myoblast differentiation via transcriptional repression which leads to down-regulation of the muscle-specific genes MYOD and MYOG (By similarity). Involved in trophoblast giant cell differentiation via enhancement of HAND1 transcriptional activity (By similarity). Regulates transcription of HRC via binding to its proximal enhancer region (By similarity). Involved in skeletal muscle regeneration (By similarity). Also plays a role in the development of myogenic precursor cells (By similarity).
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00267}.
Tissue Location	Widely expressed in fetal and adult tissues examined, highest level found in fetal spinal cord and adult brain and testis.
Preparation and 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.

IMAGES



IHC (Immunohiostchemistry)
SOX15 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SOX15 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SOX15 Antibody (Center) western blot analysis in human placenta and mouse brain tissue lysates (35ug/lane).This demonstrates the SOX15 antibody detected the SOX15 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SOX15 antibody	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. [provided by RefSeq].
Product Categories/Family for anti-SOX15 antibody	Crown Antibodies
References	Sakai, N., et al. J. Endocrinol. 198(3):489-497(2008) Yan, H.T., et al. Mol. Cells 24(3):323-328(2007) Schepers, G.E., et al. Dev. Cell 3(2):167-170(2002) Wilson, M., et al. Curr. Opin. Genet. Dev. 12(4):441-446(2002) Miyashita, A., et al. Gene 237(1):53-60(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5902106
NCBI GeneID	6665
NCBI Accession #	NP_008873.1
NCBI GenBank Nucleotide #	NM_006942.1
UniProt Accession #	O60248; P35717; Q9Y6W7; B4DWU7; D3DTQ0
Molecular Weight	25251
NCBI Official Full Name	protein SOX-15
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 15
NCBI Official Symbol	SOX15
NCBI Official Synonym Symbols	SOX20; SOX26; SOX27
NCBI Protein Information	protein SOX-15
UniProt Protein Name	Protein SOX-15
UniProt Gene Name	SOX15
UniProt Synonym Gene Names	SOX12; SOX20; SOX26; SOX27

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sox15-antibody-western-blot-immunohistochemistry-elisa/288997>