

Rabbit anti-Human SOX2 Polyclonal Antibody | anti-SOX2 antibody

Rabbit Polyclonal (IgG) to Human SOX2

CATALOG # AAA50841	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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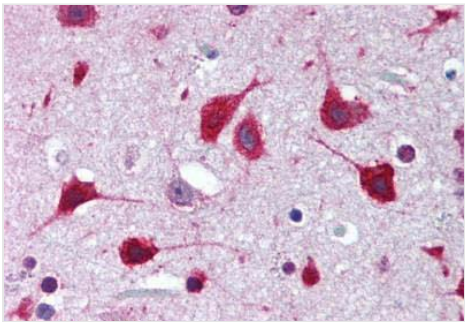
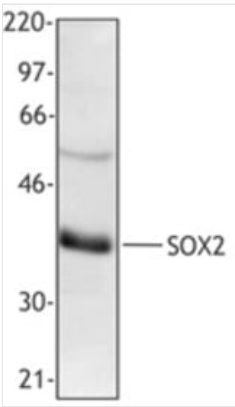
PRODUCT SYNONYMS

SOX2; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human SOX2; Anti-SOX2 Antibody (N-Terminus) IHC-plus; MCOPS3; Transcription factor SOX2; ANOP3; Transcription factor SOX-2; SRY-related HMG-box gene 2; Human SOX2; anti-SOX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Peptide-KLH (N-terminal)
Purity/Purification	Immunoaffinity Purified
Form/Format	Phosphate-buffered solution, pH 7.2, 0.09% sodium azide, 50% glycerol.
Concentration	0.25 mg/ml (varies by lot)
Sequence Length	317
Applicable Applications for anti-SOX2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human SOX2.
Immunogen Type	Synthetic peptide
Immunogen	SOX2 antibody was raised against synthetic peptide from human SOX2.
Antigen Modification	N-Terminus
Preparation and Storage	+4 degree C or -20 degree C, Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-SOX2 antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:50.

WB (Western Blot)
NTERA-2 whole cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit polyclonal antibody raised against the N-terminal region of SOX2. Proteins were visualized using HRP Donkey anti-rabbit IgG and a chemiluminescence detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-SOX2 antibody	SOX2 is a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. SOX2 is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation.
Product Categories/Family for anti-SOX2 antibody	Family: Transcription factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	28195386
NCBI GeneID	6657
NCBI Accession #	NP_003097.1
NCBI GenBank Nucleotide #	NM_003106.3
UniProt Accession #	P48431 ; Q14537
Molecular Weight	34,310 Da
NCBI Official Full Name	transcription factor SOX-2
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 2
NCBI Official Symbol	SOX2
NCBI Official Synonym Symbols	ANOP3; MCOPS3
NCBI Protein Information	transcription factor SOX-2; transcription factor SOX2; SRY-related HMG-box gene 2
UniProt Protein Name	Transcription factor SOX-2
UniProt Gene Name	SOX2
UniProt Entry Name	SOX2_HUMAN

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.

