

Rabbit SOX-2 Antibody | anti-SOX-2 antibody

Rabbit anti SOX-2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71413	Rabbit	Human, Mouse, Rat, Chicken, Bovine, Canine	Immunohistochemistry, Western Blot, ELISA

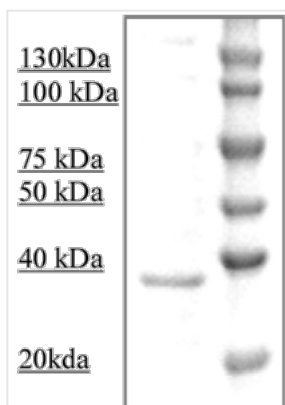
PRODUCT SYNONYMS

SOX-2; Rabbit anti SOX-2 antibody; Rabbit anti-SOX-2; Sry-related high-mobility group (HMG) box 2; anti-SOX-2 antibody

PRODUCT SPECIFICATIONS

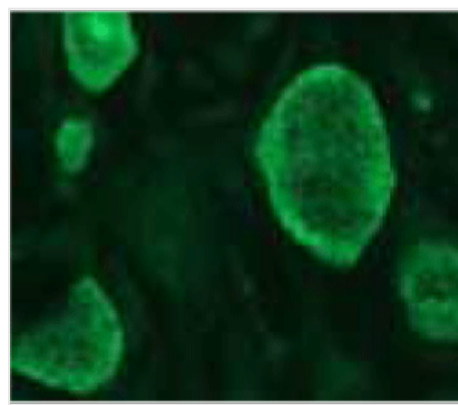
Host	Rabbit
Reactivity	Human, Mouse, Rat, Chicken, Bovine, Canine
Specificity	This antibody recognizes ~35 kDa of human SOX-2 protein. It also reacts with mouse and rat. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-SOX-2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide derived from N-terminus of Human SOX-2 protein. This sequence is identical among human, rat, mouse, bovine, chicken, and dog.
Positive Control	Mouse embryonic brain
Cellular Location	Nuclear
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



WB (Western Blot)

The whole cell lysate derived from embryonic mouse brain immunoblotted by Rabbit anti-SOX-2 (AAA71413) at 1:500



IHC (Immunohistochemistry)

mouse stem cells was stained by Rabbit anti-SOX-2 (AAA71413) at 1:250, and visualized by FITC labeled anti Rabbit IgG. The nuclear staining is observed.

ADDITIONAL INFORMATION

Related Product Information for anti-SOX-2 antibody	The SOX2 is a transcription factor, a member of the SRY-related HMG-box (SOX) family involved in the regulation of embryonic development and in the determination of cell fate. Mutations in this gene have been associated with bilateral anophthalmia, a severe form of structural eye malformation. When SOX-2 is expressed in self-renewing progenitor cells, it acts to inhibit neuronal differentiation. Sox-2 is considered as an appropriate cell-specific marker in vivo dynamics of the neural progenitor cell compartment as well as in the adult brain.
References	Mila Komitova and Peter S. Eriksson. Sox-2 is expressed by neural progenitors and astroglia in the adult rat brain Neuroscience Letters Volume 369, Issue 1, 7 October 2004, Pages 24-27

NCBI AND UNIPROT INFORMATION

NCBI GI #	854182
NCBI GeneID	6657
NCBI Accession #	CAA83435.1
NCBI GenBank Nucleotide #	Z31560.1
UniProt Accession #	P48431; Q14537
Molecular Weight	35 kDa
NCBI Official Full Name	sox-2
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 2
NCBI Official Symbol	SOX2
NCBI Official Synonym Symbols	ANOP3; MCOPS3; MGC2413
NCBI Protein Information	transcription factor SOX-2; OTTHUMP00000212684; 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.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-bovine-canine-chicken-human-mouse-ovine-rat-antibody/sox-2/71413>