

Goat SOX2 Antibody | anti-SOX2 antibody

Goat Anti-SOX2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA61826	Goat	HumanExpected from sequence similarity: Human, Mouse, Rat, Dog, Cow	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, ELISA

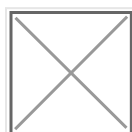
PRODUCT SYNONYMS

SOX2; Goat Anti-SOX2 Antibody; SRY (sex determining region Y)-box 2; ANOP3; MGC2413 ; SRY-related HMG-box gene 2; sex-determining region Y-box 2; transcription factor SOX2; anti-SOX2 antibody

PRODUCT SPECIFICATIONS

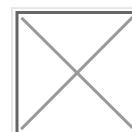
Host	Goat
Reactivity	Human Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Sequence Length	317
Applicable Applications for anti-SOX2 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), ELISA (Peptide ELISA)
Immunogen	Peptide with sequence YNMMETELKPPGPQQ-C, from the N Terminus of the protein sequence according to NP_003097.1.
Peptide Sequence	YNMMETELKPPGPQQ
Preparation and Storage	Aliquot and store at -20°C. Minimize freezing and thawing.

IMAGES



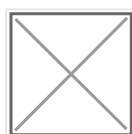
IHC (Immunohistochemistry)

Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.



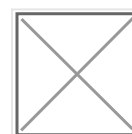
IHC (Immunohistochemistry)

8ug/ml) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



WB (Western Blot)

0.3ug/ml) staining of MCF7 (A) HEK293 (B) and MCF7 nuclear (C) cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

ADDITIONAL INFORMATION

References	Palmqvist L, Glover CH, Hsu L, Lu M, Bossen B, Piret JM, Humphries RK, Helgason CD.: Correlation of murine embryonic stem cell gene expression profiles with functional measures of pluripotency. Stem Cells. 2005 May;23(5):663-80. PMID: 15849174
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28195386
NCBI GeneID	6657
NCBI Accession #	NP_003097.1
NCBI GenBank Nucleotide #	NP_003097.1
UniProt Accession #	P48431
NCBI Official Full Name	transcription factor SOX-2
NCBI Official Synonym Full Names	SRY-box transcription factor 2
NCBI Official Symbol	SOX2
NCBI Official Synonym Symbols	ANOP3; MCOPS3
NCBI Protein Information	transcription factor SOX-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/goat-cow-dog-human-mouse-rat-antibody/sox2/61826>