

Rabbit SOX2 Polyclonal Antibody | anti-SOX2 antibody

SOX2 Antibody

CATALOG # AAA166851	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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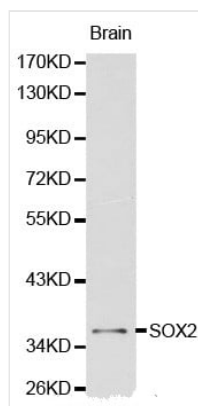
PRODUCT SYNONYMS

SOX2; Polyclonal Antibody; SOX2 Antibody; ANOP3; MCOPS3; MGC2413; anti-SOX2 antibody

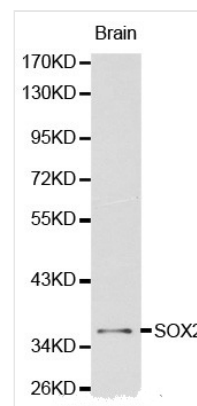
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	322
Applicable Applications for anti-SOX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human SOX2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-17319 / sc-17320 / sc-54517 / sc-20088
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



Application Data



WB (Western Blot)

Western blot analysis of brain cell lysate using SOX2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SOX2 antibody	Embryonic stem cells are derived from the inner cell mass of the blastocyst and are unique in their pluripotent capacity and potential for self-renewal. Sox2 is one of a set of transcription factors that are crucial for the maintenance of pluripotency (1). Sox2, Oct-4, and Nanog cooperate in this network (1-3), and siRNA knockdown of either Sox2 or Oct-4 results in loss of pluripotency (4, 5). Chromatin immunoprecipitation experiments have shown that Sox2 and Oct-4 bind to thousands of gene regulatory sites, highlighting the importance of these transcription factors in early embryonic development (6, 7). It has recently been shown that Sox2 is amplified in lung and esophageal squamous cell tumors (8).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	570441607
Molecular Weight	35,067 Da
NCBI Official Full Name	Sox2
UniProt Protein Name	Sox2
UniProt Gene Name	Sox2
UniProt Entry Name	W0C9Z5_LARCR

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/sox2-antibody-immunohistochemistry-western-blot-elisa/166851>