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Datasheet for ABIN2777776
anti-SOX6 antibody (Middle Region)

2 Images

Overview

Quantity:	100 µL
Target:	SOX6
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SOX6
Sequence:	YGMKTDGGSL AGNEMINGED EMEYDDYED DPKSDYSSSEN EAPEAVSAN
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against SOX6. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SOX6
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Target Details

Alternative Name: [SOX6 \(SOX6 Products\)](#)

Background: SOX6 is a member of the D subfamily of sex determining region y-related transcription factors that are characterized by a conserved DNA-binding domain termed the high mobility group box and by their ability to bind the minor groove of DNA. SOX6 is a transcriptional activator that is required for normal development of the central nervous system, chondrogenesis and maintenance of cardiac and skeletal muscle cells. SOX6 interacts with other family members to cooperatively activate gene expression. Members of the SOX gene family, such as SOX6, encode transcription factors defined by the conserved high mobility group (HMG) DNA-binding domain. Unlike most transcription factors, SOX transcription factors bind to the minor groove of DNA, causing a 70- to 85-degree bend and introducing local conformational changes (Cohen-Barak et al., 2001 [PubMed 11255018]). [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-2696 AL136780.1 1-2696 2697-5158 AC009869.7 10394-12855

Alias Symbols: HSSOX6, SOXD

Protein Interaction Partner: TAF4, TRIP12, UBC, SOX2, POMGNT1, ZNF184, UBE2J1, SUMO1, SUMO2, SUMO3, HDAC1, CTNNB1, SOX5, CENPK, DAZAP2, SOX6, CTBP2,

Protein Size: 804

Molecular Weight: 89 kDa

Gene ID: 55553

NCBI Accession: [NM_017508](#), [NP_059978](#)

UniProt: [A8MRT1](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 804 AA

Restrictions: For Research Use only

Handling

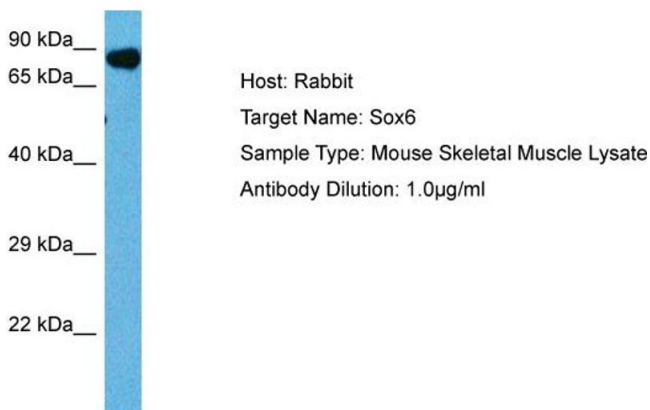
Format: Liquid

Concentration: Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Mouse Target Name: SOX6 Sample Tissue: Mouse Skeletal Muscle Antibody Dilution: 1ug/ml



Western Blotting

Image 2. WB Suggested Anti-SOX6 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate