

Datasheet for ABIN3043348
anti-SOX5 antibody (C-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	SOX5
Binding Specificity:	AA 495-528, C-Term
Reactivity:	Human, Rat, Mouse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Transcription factor SOX-5(SOX5) detection. Tested with WB in Human,Mouse,Rat,Pig.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human SOX5 (495-528aa EKEKTTLESLTQQLAVKQNEEGKFSHAMMDFNLS), different from the related mouse sequence by two amino acids.
Sequence:	EKEKTTLESL TQQLAVKQNE EGKFSHAMMD FNLS
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Transcription factor SOX-5(SOX5) detection. Tested with WB in Human,Mouse,Rat,Pig. Gene Name: SRY (sex determining region Y)-box 5 Protein Name: Transcription factor SOX-5

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: SOX5

Alternative Name: SOX5 ([SOX5 Products](#))

Background: Transcription factor SOX-5 is a protein that in humans is encoded by the SOX5 gene. It is located on 12p12.1. This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. In addition, the encoded protein may play a role in chondrogenesis. A pseudogene of this gene is located on chromosome 8. Multiple transcript variants encoding distinct isoforms have been identified for this gene.

Synonyms: L SOX5 antibody|MGC35153 antibody|Sex determining region Y box 5 antibody|SOX 5 antibody| SOX 5 protein antibody|Sox5 antibody|SOX5 protein antibody|SOX5_HUMAN antibody|SRY (sex determining region Y) box 5 antibody|SRY box 5 antibody|Transcription factor SOX 5 antibody|Transcription factor SOX-5 antibody|Transcription factor SOX5 antibody

Gene ID: 6660

UniProt: [P35711](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, Pig
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

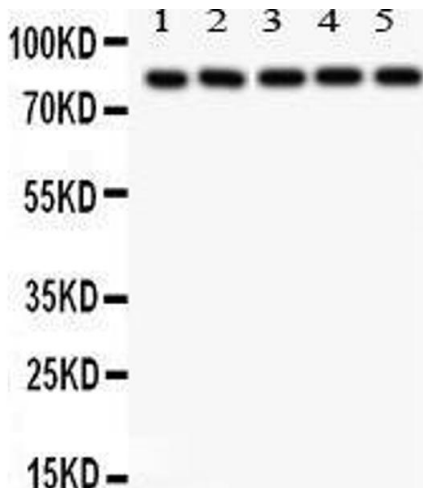
Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. Western blot analysis of SOX5 using anti-SOX5 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 40µg of sample under reducing conditions. All lanes: pig adipose cells After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SOX5 antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°C, then washed with TBS-

0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SOX5 at approximately 84KD. The expected band size for SOX5 is at 84KD.