

Product Datasheet



Mouse Anti- Human Sox2

Overview

Product number	PDZMM129
Host species	Mouse
Target species	Human
Suitable for:	IHC-P, WB, ELISA, Immunomicroscopy, Dot blot, ICC, IHC-Fr

Immunogen	A KLH-conjugated synthetic peptide derived from human SRY (sex determining region Y)-box 2 (Sox2) protein was used for immunization.
Conjugation	Unconjugated
Properties	
Form	Liquid
Storage instructions	Shipped at 4 °C. Store at -20 °C. Avoid freeze/thaw cycle. Please see notes section.
Storage buffer	Phosphate buffered saline pH 7.4, contains stabilizer and ≤0.09% sodium azide.
Purity	immunogen affinity or SpG purified
Purification notes	This product was prepared by immunoaffinity chromatography using immunogen peptide coupled to Sepharose 4B.
Conjugation notes	-
Clonality	Monoclonal
Isotype	IgG
General notes	For extended storage aliquot contents and freeze at -20 °C or below. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use.

Our customer's feedback says the antibody worked great. If in case the antibody fails to give results then please contact our scientific support team for assistance.

Applications

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end-user.

Product Usage Information:

Application Dilutions

Western Blotting	3-5 ug/ml
Immunohistochemistry (Paraffin)	5-10 ug/ml
Immunohistochemistry (Frozen)	5-10 ug/ml
Immunofluorescence	5-10 ug/ml
Flow Cytometry	5-10 ug/ml

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Background:

SRY (sex determining region Y)-box 2, also known as SOX2, is a transcription factor that is essential for maintaining self-renewal, or pluripotency, of undifferentiated embryonic stem cells. Sox2 has a critical role in maintenance of embryonic and neural stem cells.

Sox2 is a member of the Sox family of transcription factors, which have been shown to play key roles in many stages of mammalian development. This protein family shares highly conserved DNA binding domains known as HMG (High-mobility group) box domains containing approximately 80 amino acids.

Sox2 holds great promise in research involving induced pluripotency, an emerging and very promising field of regenerative medicine.

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. After receiving aliquot the antibody and store at -20°C.

Terms and conditions

Guarantee only valid for products bought direct from PADZA or one of our authorized distributors

References:

Note: This product has originally been developed at Avicenna Research Institute, Tehran, IRAN and assigned to PADZA Company according to contract 98/15/191dated 98/01/10.

