

# Product Datasheet

## SOX2 Antibody 29930002-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 2

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Updated 4/3/2021 v.20.1

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**29930002-0.1mg**

SOX2 Antibody

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	20mM Potassium Phosphate (pH 7.0) and 0.15M NaCl

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	6657
<b>Gene Symbol</b>	SOX2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human.
<b>Marker</b>	Embryonic Stem Cell Marker
<b>Specificity/Sensitivity</b>	This product is specific for Human SOX2.
<b>Immunogen</b>	This antibody is specific for the Middle Region of the target protein.
<b>Notes</b>	Manufactured by SDIX's proprietary Genomic Antibody Technology <sup>®</sup> ; GAT <a href="#">FAQs</a> .

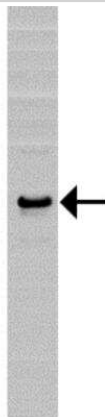
**Product Application Details**

<b>Applications</b>	Western Blot, Dot Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, ELISA 1:100-1:2000, Dot Blot 1:100-1:2000
<b>Application Notes</b>	This antibody is useful in ELISA.

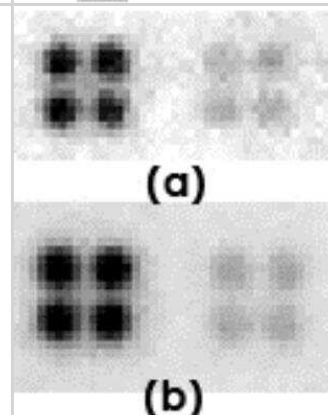


## Images

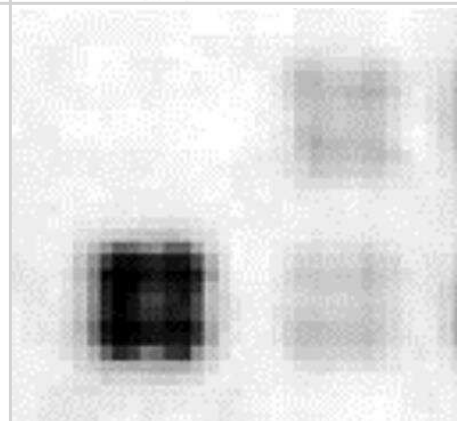
**Western Blot: SOX2 Antibody [29930002]** - Cell lysate from 293 over expressing SOX2 was subjected to SDS-PAGE and transfer to nitrocellulose membrane. The membrane was incubated with anti-SOX2 antibody (1:1000 dilution) and then probed with anti-rabbit IgG-HRP. Signals were acquired with a CCD camera. Arrow points to SOX2. Data courtesy of a SDI customer.



**Dot Blot: SOX2 Antibody [29930002]** - The anti-Sox2 antibody (right quadruplicate spots at each panel) or anti-c-Jun antibody (left quadruplicate spots at each panel) were printed on membranes at 10 ng/spot. The membranes were incubated with biotinylated cell lysate (50 ug per membrane), followed by probing with streptavidin-HRP and CCD camera image acquisition. (a), Cell lysate from undifferentiated mouse embryonic stem cells; (b), Cell lysate from differentiated mouse embryonic stem cells. Data courtesy of a SDI customer.

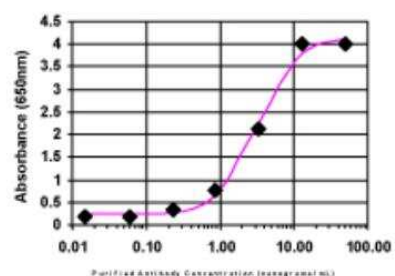


**Dot Blot: SOX2 Antibody [29930002]** - Protein samples (upper left quadruplicate spots: bovine gamma globulin; upper right quadruplicate spots: cell lysate from 293 cell over expressing Nanog; below left quadruplicate spots: cell lysate from 293 cell over expressing Sox2; below right quadruplicate spots: cell lysate from 293 cell over expressing POU5F1) were printed on membranes at 10 ng/spot. The membrane was incubated with anti-Sox2 antibody (1:1000 dilution) and then probed anti-rabbit IgG-HRP. Signals were acquired with a CCD camera. Data courtesy of a SDI customer.



**ELISA: SOX2 Antibody [29930002]**

**ELISA:**



The affinity purified antibody was serially diluted onto an ELISA plate coated with a recombinant protein fragment.

## Publications

Garrison C, Lastwika K, Zhang Y et al. Proteomic Analysis, Immune Dysregulation, and Pathway Interconnections With Obesity J Proteome Res. 2017-01-06 [PMID: 27769113] (MiAr)

### Details:

Analysis is performed on plasma proteomic data to identify how obesity can alter pathways and to highlight the risk factor for disease in subjects with a high body mass index.

Rho JH, Lampe PD. High-throughput screening for native autoantigen-autoantibody complexes using antibody microarrays J Proteome Res. 2013-05-03 [PMID: 23541305] (MiAr)

### Details:

A novel method using antibody microarrays is used to detect autoantibody-antigen complexes that can potentially be useful for detection and characterization of diseases.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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