

Datasheet: VPA00238

Description:	RABBIT ANTI SOX2
Specificity:	SOX2
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	KLH conjugated synthetic peptide between 282-316 amino acids from the C-terminal region of human SOX2
External Database Links	<p>UniProt: P48431 Related reagents</p> <p>Entrez Gene: 6657 SOX2 Related reagents</p>

Specificity **Rabbit anti Human SOX2 antibody** recognizes the transcription factor SOX2, also known as SRY-related HMG-box gene 2.

This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription

factors involved in the regulation of embryonic development and in the determination of cell fate. SOX2 is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in the SOX2 gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. SOX2 lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT) (provided by RefSeq, Jul 2008).

Rabbit anti Human SOX2 antibody detects a band of 35 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti SOX2 detects a band of approximately 35 kDa in NTERA-2 cell lysates
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Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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Shelf Life	As supplied, 12 months from date of despatch.
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Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M328104:180730'

Printed on 06 Dec 2018

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