

Datasheet: VPA00214

BATCH NUMBER 151204

Description:	RABBIT ANTI TSC2
Specificity:	TSC2
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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 dependent 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)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	KLH conjugated synthetic peptide between 1397-1426 amino acids from the central region of human TSC2

**External Database
Links**

UniProt:

[P49815](#) [Related reagents](#)

Entrez Gene:

[7249](#) TSC2 [Related reagents](#)

Synonyms

TSC4

Specificity

Rabbit anti Human TSC2 antibody recognizes tuberin, also known as protein phosphatase 1, regulatory subunit 160, and tuberous sclerosis 2 protein.

Mutations in the TSC2 gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms (provided by RefSeq, Jul 2008).

Rabbit anti Human Tuberin antibody detects a band of 200 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti TSC2 detects a band of approximately 200 kDa in LNCaP cell lysates

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/VPA00214>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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