

Datasheet: VPA00030

Description:	GOAT ANTI TDP-43
Specificity:	TDP-43
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

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Goat polyclonal antibody purified by ammonium sulfate precipitation followed by antigen affinity chromatography.

Buffer Solution

TRIS buffered saline.

Preservative Stabilisers

0.02% Sodium Azide (NaN₃)
0.5% Bovine Serum Albumin

Immunogen

Peptide sequence C-HISNAEPKHNSNRQ from an internal region of TDP-43.

External Database Links	UniProt: Q13148 Related reagents Entrez Gene: 23435 TARDBP Related reagents
Synonyms	TDP43
Specificity	<p>Goat anti Human TDP-43 antibody recognizes human TAR DNA-binding protein 43, also known as TDP-43, the product of the TAR DNA-binding protein 43 gene. TDP-43 is a 414 amino acid DNA and RNA binding protein containing 2 RRM domains involved in regulation of transcription and splicing. TDP-43 is ubiquitously expressed with high levels being seen in pancreas, gall bladder, alimentary tract, reproductive system, adipose tissue, skin and skeletal muscle.</p> <p>Mutations in the TPD43 gene are implicated in development of Amyotrophic lateral sclerosis 10, a neurodegenerative disorder affecting motor neurons leading to eventual fatal paralysis (Van Deerlin <i>et al.</i> 2008).</p> <p>Goat anti Human TDP-43 antibody recognizes human TDP-43 as a single band of ~45kDa in multiple cell line lysates by western blotting under reducing conditions. The antibody also cross-reacts with rodent cell line lysates tested.</p>
Western Blotting	Anti TDP-43 antibody detects a band of approximately 45 kDa in NIH/3T3 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 #10058 available at: https://www.bio-rad-antibodies.com/SDS/VPA00030 Antibody (10058)
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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