

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

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
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
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 (NaN ₃) 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	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. Mutations in the TDP43 gene are implicated in development of Amyotrophic lateral sclerosis 10, a neurodegenerative disorder affecting motor neurons leading to eventual fatal paralysis (Van Deerlin et al. 2008). 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.
Western Blotting	Anti TDP-43 antibody detects a band of approximately 45 kDa in NIH/3T3 cell lysates.
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.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10058): https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 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
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