

Datasheet: VPA00030

BATCH NUMBER 090714

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 **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 TPD43 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.

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](#)

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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