

Datasheet: AHP1874

Description:	RABBIT ANTI TAU (pSer416)
Specificity:	TAU (pSer416)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting (1)	▪			1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1)For the detection of phosphoproteins, serine phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.

Target Species	Rat
Species Cross Reactivity	Based on sequence similarity, is expected to react with:Human, Mouse, Bovine, Dog, Primate 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

Antiserum Preparation Antisera to Tau were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution 10mM Hepes pH7.5, 150mM NaCl

Preservative 0.09% Sodium Azide (NaN₃)
Stabilisers 0.01% Bovine Serum Albumin
50% Glycerol

Immunogen Phosphopeptide corresponding to amino acid sequence surrounding the phosphorylated serine 416 of rat Tau.

External Database Links

UniProt:
[P19332](#) [Related reagents](#)

Entrez Gene:
[29477](#) Mapt [Related reagents](#)

Synonyms Mtapt, Tau

RRID AB_1720127

Specificity **Rabbit anti Rat tau (pSer416) antibody** recognizes microtubule-associated protein tau, also known as neurofibrillary tangle protein and paired helical filament-tau (PHF-tau), when phosphorylated at serine 416. Tau is a heterogeneous group of proteins that are involved in microtubule assembly. In healthy brain tissue tau is localised to the axons of neurons. Hyperphosphorylated tau is a major component of paired helical filaments in Alzheimer's disease brain. Serine 416 is a major phosphorylation site.

Western Blotting AHP1874 detects bands of approximately 59, 65 and 68kDa in rat brain.

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10088 available at:
10088: <https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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