

Datasheet: AHP245T

Description:	RABBIT ANTI BOVINE NEUROFILAMENT H 200kDa
Specificity:	NEUROFILAMENT H 200kDa
Other names:	Neurofilament heavy polypeptide
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	10 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen	■			1 / 500
Immunohistology - Paraffin	■			1 / 500
Immunohistology - Resin			■	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls. * Glutaraldehyde fixation not recommended.

Target Species	Bovine
Species Cross Reactivity	Reacts with: Rat, Human, Cat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Whole serum - liquid
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Highly purified bovine neurofilament proteins
Specificity	Reacts with 200kD neurofilament H. Shows less than 1% cross-reactivity with NF-L and NF-M. In immunohistology the antiserum stains thick and thin axons, and also faint staining of occasional cell bodies.
Immunohistology	Glutaraldehyde fixation not recommended.
Histology Positive Control Tissue	Brain or Spinal Cord

References

1. Marignier, R. *et al.* (2010) Oligodendrocytes are damaged by neuromyelitis optica immunoglobulin G via astrocyte injury. [Brain. 133: 2578-91.](#)
2. Karlsson, J.E. *et al.* (1987) A rapid HPLC method to separate the triplet proteins of neurofilament. [J. Neurochem. 49: 1374 - 1378.](#)
3. Bajo, M. *et al.* (2001) Neurofilament proteins NF-L, NF-M and NF-H in brain of patients with Down syndrome and Alzheimer's disease. [Amino Acids. 21: 293-301.](#)
4. Davies, S.J. *et al.* (2011) Transplantation of specific human astrocytes promotes functional recovery after spinal cord injury. [PLoS One. 6: e17328.](#)
5. Androdias, G. *et al.* (2010) Meningeal T cells associate with diffuse axonal loss in multiple sclerosis spinal cords. [Ann Neurol. 68: 465-76.](#)

6. Au, E. *et al.* (2007) SPARC from olfactory ensheathing cells stimulates Schwann cells to promote neurite outgrowth and enhances spinal cord repair. [J Neurosci. 27: 7208-21.](#)
7. Brambilla, R. *et al.* (2011) Inhibition of soluble tumour necrosis factor is therapeutic in experimental autoimmune encephalomyelitis and promotes axon preservation and remyelination. [Brain. 134: 2736-54.](#)
8. Ignatov, A. *et al.* (2003) Role of the G-protein-coupled receptor GPR12 as high-affinity receptor for sphingosylphosphorylcholine and its expression and function in brain development. [J Neurosci. 23: 907-14.](#)
9. Izawa, T. *et al.* (2008) Cutaneous rhabdoid tumor in a cat. [Vet Pathol. 45: 897-900.](#)
10. Huang, D. *et al.* (2005) Chronic expression of monocyte chemoattractant protein-1 in the central nervous system causes delayed encephalopathy and impaired microglial function in mice. [FASEB J. 19: 761-72.](#)
11. Zhang, Z. *et al.* (2011) The role of single cell derived vascular resident endothelial progenitor cells in the enhancement of vascularization in scaffold-based skin regeneration. [Biomaterials. 32: 4109-17.](#)
12. Moll, N.M. *et al.* (2008) Cortical demyelination in PML and MS: Similarities and differences. [Neurology. 70: 336-43.](#)

Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10081 available at: http://www.abdserotec.com/uploads/MSDS/10081.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR36...)	DyLight@800
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Sheep Anti Rabbit IgG (STAR54...)	HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR34...)	FITC

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