ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

Mouse Anti-human Thr181 phosphorylated Tau Antibody Datasheet

Product Name: mAb anti-human Thr181 phosphorylated Tau Catalogue No.: MO-M40099D		Clone No.: 2A4 Quantity: 0.5 mg/vial		Lot No.: Expiration:
	phosphorylated Tau protein		-	he microtubule in nerve fibre
Purification:	Protein G affinity purified			ere are six tau isoforms which are alternate splicing.
Farget Protein:	Human Thr181 phosphorylated Tau			phorylation of Tau protein result ion and formation of
Immunogen:	KLH conjugated with a short peptide [Ala-			ary tangles, which is significantly
	Pro-Lys-Thr(p)-Pro-Pro-Ser-Ser-Gly-Glu-Cys],			with cognitive impairment in
	corresponding to the amino acid sequence			s disease. Tau Thr181
	177-187 on the phosphorylated Tau protein.			ation has been used as a
	C=2/0 A=14			for the differentiation of
Fusion Myeloma:	Sp2/0-Ag14			s disease and other primary uch as dementia with Lewy
			bodies.	uch as dementia with Lewy
Specificity:	This antibody reacts with the unconjugated		boules.	
	Thr181 phosphorylated Tau peptide.	Applications:	Indirect ELI	SA: The antibody reacts with
			phosphoryl	ated peptide [Ala-Pro-Lys-Thr(p]
Cross-	Cross-reactivity with un-phosphorylated		Pro-Pro-Sei	r-Ser-Gly-Glu-Cys] coated ELISA
reactivity:	peptide [Ala-Pro-Lys-Thr-Pro-Pro-Ser-Ser-		plate in ind	irect ELISA. The antibody cross-
	Gly-Glu-Cys] was observed.		reacts with	un-phosphorylated peptide.
Species	Human, mouse	Western Blot:		ot: The antibody detected a
Reactivity:				in mouse brain tissue lysate.
Host / Isotype:	Mouse/ IgG2a, к			●> 46KD
Formulation:	Lyophilized from a solution in 0.01M PBS			
	pH7.2			
Reconstitution	Double distilled water is recommended to			
	adjust the final concentration to 1.00mg/mL.		Detect the	mouse brain tissue lysates using
	Avoid repeated freeze and thaw cycle.			au-pho181 2A4) at 1:2000 (0.5
Storage:	Store at -20°C		μg/mL) dilu	
Research Area:	Alzheimer's disease and other	References:		is published using this product,
	neurodegenerative diseases		-	rm Anogen in order to cite the
Background:	Tau is a highly soluble microtubule			on this datasheet. Anogen will
	associated protein found in high		-	e unit of product in the same
	concentration in neuron of central nervous		category as	s gratitude.

animals for use in diagnostic and therapeutic procedures. Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd. Page 1 of 1 page(s)

> To place order, please contact us by phone, fax or by email: <u>info@anogen.ca</u>, or with our secure online store: <u>www.anogen.net</u>