

Phospho-Tau (Ser396) Monoclonal Antibody (PHF13.6)

Product Details

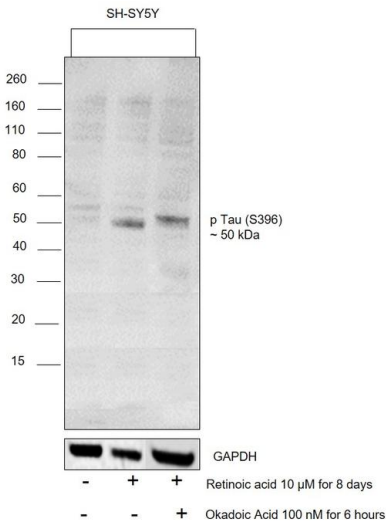
Size	50 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Dog, Rat, Mouse, Human
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	PHF13.6
Conjugate	Unconjugated
Immunogen	Purified human PHF-Tau preparation
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533211

Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	6 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
ELISA (ELISA)	3-5 µg/mL	-
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

This monoclonal antibody recognizes phosphorylation-dependent epitopes of ser-396 on PHF-tau as well as fetal tau, but does not recognize autopsy-derived normal adult tau. Phosphoamino ser-396 is one of the two major immunodominant residues of PHF-tau. PHF 13.6 does not recognize unphosphorylated peptide 390-408 or the same peptide phosphorylated at ser-400, thr-403, or ser-404. PHF 13.6 specifically recognizes the ser-396 phosphorylated peptide and all diphosphorylated peptides containing phosphorylated ser-396. Reactivity was confirmed with human PHF-Tau.

Product Images For Phospho-Tau (Ser396) Monoclonal Antibody (PHF13.6)



Phospho-Tau (Ser396) Antibody (35-5300) in WB

Western blot was performed using Anti-Phospho-Tau (Ser396) Monoclonal Antibody (PHF13.6) (Product # 35-5300) and a 50kDa band corresponding to Phospho-Tau (Ser396) was observed across cell line tested and increased upon Retinoic acid and the successive Okadaic acid treatments. Whole cell extracts (30 μ g lysate) of SH-SY5Y (Lane 1), SH-SY5Y treated with Retinoic acid (10 μ M for 8 days) (Lane 2), SH-SY5Y differentiated with Retinoic acid and treated with Okadaic acid (100 nM for 6 hours) (Lane 3) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0301BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:500) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:5000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).

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Western Blot (6)

<p>The Journal of comparative neurology</p> <p>Tau hyperphosphorylation in synaptosomes and neuroinflammation are associated with canine cognitive impairment.</p> <p>"35-5300 was used in immunohistochemistry - paraffin section and western blot to study canine cognitive impairment syndrome."</p> <p>Authors: Smolek T, Madari A, Farbakova J, Kandrak O, Jadhav S, Cente M, Brezovakova V, Novak M, Zilka N</p>	<p>Year 2016</p> <p>Species Mouse Rat Dog</p> <p>Dilution 1:1000</p>
<p>Experimental gerontology</p> <p>Effects of antibodies to phosphorylated and non-phosphorylated tau on in vitro tau phosphorylation at Serine-199: Preliminary report.</p> <p>"35-5300 was used in western blot to study the effects of tau antibodies on in vitro tau phosphorylation"</p> <p>Authors: Loeffler DA, Smith LM, Klaver AC, Marti S</p>	<p>Year 2015</p> <p>Species Human</p> <p>Dilution 1:1000</p>

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Immunohistochemistry (1)

<p>Journal of neurotrauma</p> <p>Repetitive Model of Mild Traumatic Brain Injury Produces Cortical Abnormalities Detectable by Magnetic Resonance Diffusion Imaging, Histopathology, and Behavior.</p> <p>"Published figure using Phospho-Tau (Ser396) monoclonal antibody (Product # 35-5300) in Immunohistochemistry"</p> <p>Authors: Yu F, Shukla DK, Armstrong RC, Marion CM, Radomski KL, Selwyn RG, Dardzinski BJ</p>	<p>Year 2017</p> <p>Species Mouse</p> <p>Dilution 1:400</p>
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Immunohistochemistry (Paraffin) (1)

<p>The Journal of comparative neurology</p> <p>Tau hyperphosphorylation in synaptosomes and neuroinflammation are associated with canine cognitive impairment.</p> <p>"35-5300 was used in immunohistochemistry - paraffin section and western blot to study canine cognitive impairment syndrome."</p> <p>Authors: Smolek T, Madari A, Farbakova J, Kandrak O, Jadhav S, Cente M, Brezovakova V, Novak M, Zilka N</p>	<p>Year 2016</p> <p>Species Mouse Rat Dog</p> <p>Dilution 1:1000</p>
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Misc (2)

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