

Anti-Tau (Ser416) Antibody



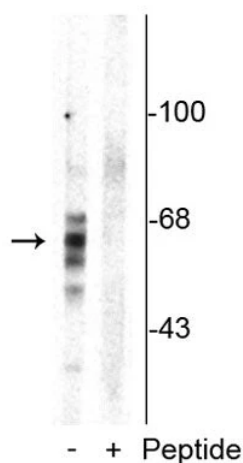
Pooled Serum

Product Details

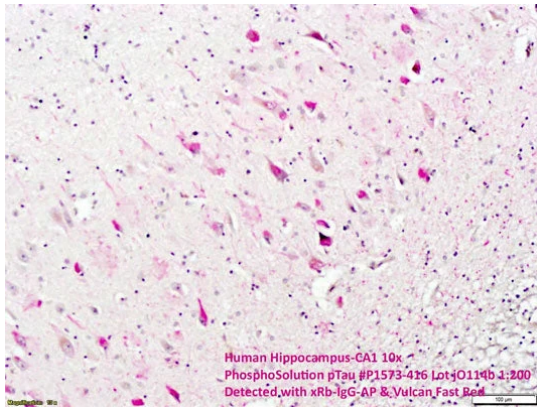
Available Variants	100 µL (SKU:p1573-416) 25 µL (SKU:p1573-416t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	MAPT
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, IHC, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000 IHC: 1:200
Species Reactivity	Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser416 of rat tau, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for ~59, 65, 68 kDa tau protein phosphorylated at Ser416. Immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide.
Molecular Weight	59/65/68 kDa
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Antibody Registry ID	AB_2492257
UniProt ID	<u>P19332</u>
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Expected Reactivity	Bovine, Canine, Non-Human Primate
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser416
NCBI Gene ID	69329

Product Images



Western blot of rat brain homogenate showing specific immunolabeling of the ~59 kDa, ~65 kDa, ~68 kDa Tau isoforms phosphorylated at Ser416 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide (not shown).



Immunostaining of FFPE human hippocampus-CA1 neurons labeling tau phosphorylated at Ser 416 (Cat. p1573-416, 1:200, red). The bright red stain labels the phosphorylated neurons while the thin, thread like stain labels the dystrophic neurites identifying the characteristic lesions of Alzheimer diseased tissue. Photo courtesy of Benecia Hong-Goka, Indiana Univ. SOM)

Product Page URL: www.antibodiesinc.com/products/anti-tau-ser416-antibody-p1573-416



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