

Mouse Tau Monoclonal Antibody | anti-Tau antibody

Phospho-Tau (tyr 18) Mouse Monoclonal Antibody (9G3)

CATALOG # AAA77834	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Tau; Monoclonal Antibody; Phospho-Tau (tyr 18) Mouse Monoclonal Antibody (9G3); Phosphorylated Tau; anti-Tau antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	9G3
Specificity	The antibody recognizes the human Phospho-Tau protein at the tyrosine 18 phosphorylation site with no detectable cross-reactivity.
Form/Format	Lyophilized protein G purified in PBS pH7.4
Applicable Applications for anti-Tau antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Peptide
Preservative	None
Preparation and Storage	Lyophilized antibody can be kept at 4 degree C for up to 3 months and should be kept at -20 degree C for long-term storage. To avoid freeze-thaw cycles, reconstituted antibody should be aliquoted before freezing for short-term storage (-20 degree C) or for long-term storage (-80 degree C). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of transfected HeLa cells stained with the antiphospho- Tau (Tyr 18) antibody, dilution 1:200: A: Tau; B: Tau + Fyn



WB (Western Blot)

Western blot analysis of transfected HeLa cell lysates: 1: Tau 2: Tau + Fyn 3: Tau + Src 4: non-transfected 5: TauY18F 6: TauY18F + Fyn 7: TauY18F + Src

ADDITIONAL INFORMATION

Related Product Information for anti-Tau antibody

Tauopathies are a group of diverse dementias and movement disorders which have a common pathological feature in that they all display the presence of intracellular accumulation of abnormal filaments of Tau protein. While the abnormal phosphorylation of Tau on serine and threonine has been well established in the disease process, its phosphorylation on tyrosine 18 has only recently been described as present in Alzheimer's disease (AD) brain.

References

1. Schweig JE-Alzheimer's disease pathological lesions activate the spleen tyrosine kinase.
2. Liu W-miR-106b inhibits tau phosphorylation at Tyr18 by targeting Fyn in a model of Alzheimer's disease.
3. Dourlen P-Functional screening of Alzheimer risk loci identifies PTK2B as an in vivo modulator and early marker of Tau pathology.
4. Bhaskar K-Tyrosine phosphorylation of tau accompanies disease progression in transgenic mouse models of tauopathy.
5. Lee G-Phosphorylation of tau by fyn: implications for Alzheimer's disease.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tau-antibody-clone-9g3-immunofluorescence-immunohistochemistry-western-blot-elisa/77834>