



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Phospho-Tau [AT8] Standard Size Ab02331-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** AT8

**Alternative Name(s) of Target:** MAPT; TAU; PHF-tau; PHF; MAPTL; MTBT1; Tau proteins; Phospho-Tau (Ser202, Thr205); Microtubule-associated protein tau; Neurofibrillary tangle protein; Paired helical filament-tau

**UniProt Accession Number of Target Protein:** P10636

**Published Application(s):** WB, ELISA, IHC, IF

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with partially purified PHF-tau in complete Freund's adjuvant.

**Specificity:** This antibody recognizes and binds phosphorylated epitopes of the Tau protein (PHF-Tau). This antibody does not cross react with normal Tau or bovine Tau. It is capable of recognizing phosphorylations at both serine 202 and threonine 205 and to some extent also serine 208 (PMID: 7624036, 26800003).

**Application Notes:** This antibody recognizes all isoforms from Alzheimer PHFs, but none from normal bovine or human brain. This antibody also recognizes Alzheimer's disease-associated PHF-Tau in an ELISA with no cross reactivity to normal Tau protein (PMID: 1384266). This antibody shares an overlapping epitope with another anti-tau antibody TAU1 (PMID: 1563356). This antibody strongly reacts with PHF tau in a western blot assay (PMID: 1384266, 1563356, 1376918, 1376245, 7875300). This antibody was also used for the immunohistochemical staining of different tissues of the fetal and adult human central nervous system and an Alzheimer disease patient (PMID: 8506352). This antibody was also used in an immunohistochemical autopsy study to examine p-MAPT neuropathology in the fornix and basal forebrain nuclei of 39 recently archived brain autopsies (PMID: 27793193). It was also used in the immunofluorescent detection of hyperphosphorylated tau (AT8) on a hippocampal section of an Alzheimer disease brain (PMID: 20448485).

**Antibody First Published in:** Mercken et al. Monoclonal antibodies with selective specificity for Alzheimer Tau are directed against phosphatase-sensitive epitopes. Acta Neuropathol. (1992); 84(3):265-72.

[PMID:1384266](#)

**Note on publication:** Describes the generation of PHF-Tau specific antibodies with no cross reactivity to normal Tau protein that can be used as a tool for detection of paired helical filaments found in Alzheimer's

disease.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.