



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-Phospho-Tau [pT231/pS235_1] Standard Size Ab02979-10.0

This chimeric human antibody was made using the variable domain sequences of the original Chicken scFv format for improved compatibility with existing reagents, assays, and techniques.

Isotype and Format: Human IgG1, Lambda

Clone Number: pT231/pS235_1

Alternative Name(s) of Target: MAPT; TAU; PHF-tau; PHF; MAPTL; MTBT1; Tau proteins; Phospho-Tau (pT231/pS235); Microtubule-associated protein tau; Neurofibrillary tangle protein; Paired helical filament-tau

UniProt Accession Number of Target Protein: P10636

Published Application(s): SPR, ELISA, IHC

Published Species Reactivity: Human

Immunogen:

Specificity: This antibody shows binding affinity towards pT231/pS235 peptide of the human tau protein. The binding affinity and specificity of this antibody relied heavily on the phosphorylation at Thr-231.

Application Notes: ELISA was used for the screening of positive clones that bind phosphopeptides. The binding affinity of the IgG antibody towards pT231/pS235 phosphopeptide was found to be $K_d = 0.35$ nM using surface plasmon resonance. This antibody can recognize the phospho-tau epitopes in full-length human tau. This antibody was also used for the immunohistochemical analysis of the human brain with Alzheimer's disease (PMID: 23148212).

Antibody First Published in: Shih et al. An ultra-specific avian antibody to phosphorylated tau protein reveals a unique mechanism for phosphoepitope recognition. *J Biol Chem.* 2012 Dec 28;287(53):44425-34.

[PMID:23148212](#)

Note on publication: Describes the generation and characterization of extremely specific recombinant chicken antibodies to three phosphoepitopes on the Alzheimer disease-associated protein tau.

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.