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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

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Anti-Phospho-Tau [pT231/pS235_1] Standard Size Ab02979-10.3

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

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, Fc Silent™, 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.