



# Magic™ Anti-Tau (aa 6-18) monoclonal antibody (CABT-B8529)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                    |   |
|--------------------|---|
| Specificity        | This antibody is specific for an epitope that lies between amino acids 6-18 of human Tau. |
| Isotype            | IgG1  |
| Source/Host        | Mouse   |
| Species Reactivity | Human   |
| Purification       | affinity chromatography   |
| Conjugate          | Unconjugated  |
| Applications       | WB, ELISA(cap), IHC   |
| Epitope            | aa 6-18   |
| Format             | Liquid  |
| Concentration      | 1 mg/ml   |
| Size               | 100 µl  |
| Buffer             | Phosphate-buffered solution (no preservatives or carrier proteins).                       |
| Preservative       | None  |
| Storage            | The antibody solution should be stored undiluted between 2°C and 8°C.                     |

## BACKGROUND

## Introduction

Tau proteins are microtubule-associated protein (MAPs) which are abundant in neurons of the central nervous system, but are also expressed at very low levels in CNS astrocytes and oligodendrocytes and elsewhere. One of tau's main functions is to modulate the stability of axonal microtubules. Tau is active primarily in the distal portions of axons providing microtubule stabilization as well as flexibility. Pathologies and dementias of the nervous system such as Alzheimer's disease feature tau proteins that have become defective and no longer stabilize microtubules properly. As a result, tau forms aggregates with specific structural properties referred to as Paired Helical Filaments (PHFs) that are a characteristic of many different types of dementias, known as tauopathies.

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## Keywords

MAPT; microtubule-associated protein tau; TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17

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# GENE INFORMATION

## Entrez Gene ID

[4137](#)

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## UniProt ID

[P10636](#)

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