Monoclonal Antibody
Catalog No. CEC-065

For research use only.
Not for use in diagnostic procedures.

Anti-Total Tau antibody

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
2A1-2E1	Hu, Ms	ELISA, WB, IHC, IP	mouse	IgG2a, κ	-20°C

BACKGROUND : Tau are proteins that stabilize microtubules and have several splicing variants in neurons. It is well known that pathologies of the nervous system such as Alzheimer's disease are associated with tau proteins.

Immunogen Synthetic peptide corresponding to the 19 amino acid of human Microtubule-associated protein tau.
Host mouse
Isotype IgG2a, κ
Cross reactivity Human, Mouse
Other species have not been tested.
Specificity Tau (2N4R, 1N4R, 0N4R, 2N3R, 1N3R, 0N3R)
Application notes Recommended use
ELISA, WB, IHC, IP
Recommended dilutions
Western blotting, 1/1000 to 1/5000
Immunohistochemistry, 1/100 to 1/500
Other applications have not been tested.
Optimal dilutions/concentrations should be determined by the end user.

Source Culture Supernatant
Purification Ion-exchange chromatography
Form Liquid
Presentation Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
Concentration 1 mg/mL
Volume 100 μL
Storage Store below -20°C
(below -70°C for prolonged storage)
Aliquot to avoid cycles of freeze/thaw.

References 1) Shinsuke Ishigaki et al,. (2017) Altered Tau Isoform Ratio Caused by Loss of FUS and SFPQ Function Leads to FTLD-like Phenotypes. *Cell Reports* ,; 18, 1118-1131.

Data

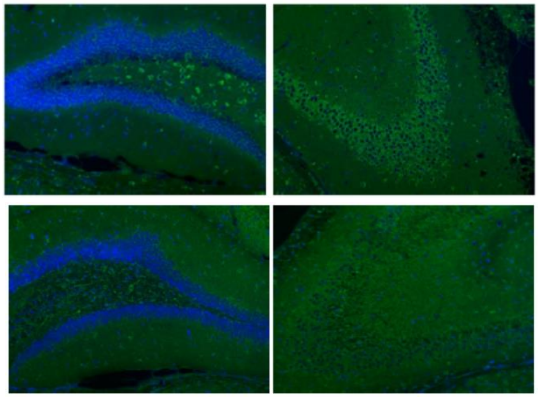

Fig.1 Immunohistochemistry/Immunofluorescence - Tau antibody (2A1-2E1)
Paraffin Tissue Section / Mouse Hippocampus

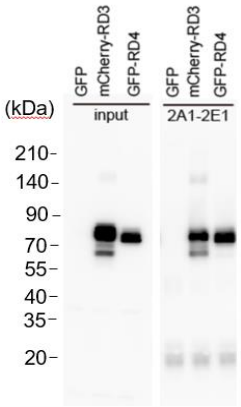

Fig.2 Immunoprecipitation - Tau antibody (2A1-2E1)
WB:anti-Tau (rabbit Ab)
(Fig.1, 2 : Dr. Shinsuke Ishigaki, Shiga University of Medical Science)

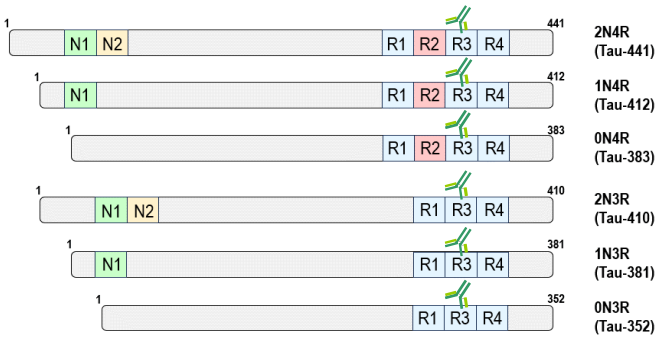

Fig.3 Human Tau isoforms

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