Mapt-9E18 phosphomimetic Tau Mouse

Catalogue number: 152784
Sub-type: Mouse
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Mapt-9E18 phosphomimetic Tau Mouse

Alternate name: MAPT, Neurofibrillary tangle protein, paired helical filament-tau, PHF-tau

Class:
Conjugate:
Description: Hyperphosphorylation and fibrillar aggregation of the microtubule-associated protein tau (MAPT) are key features of Alzheimer's disease and other tauopathies. Tauopathies are characterized by aggregation of microtubule-associated protein tau into neurofibrillary tangles (NFTs). The Mapt-9E18 phosphomimetic tau knockin mouse expresses phosphomimetic tau with 18 glutamate substitutions at serine and/or threonine residues in the proline-rich and first microtubule-binding domains to model hyperphosphorylation. This is a model of frontotemporal dementia with parkinsonism linked to tau mutations on chromosome 17 (FTDP-17T). There is a complementary phosphodefective counterpart mouse that has matched alanine substitutions (Mapt-9A18).
Purpose:
Parental cell:
Organism:
Tissue:
Model: Knock-In
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Microtubule-associated protein Tau

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions:

Related tools

Related tools: Mapt-9A18 phosphodefective Tau Mouse

References

References: