

# Product Datasheet

## Tau Antibody NBP2-25163

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-25163**

## Tau Antibody

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.035% Sodium Azide
<b>Isotype</b>	IgY
<b>Purity</b>	IgY purified
<b>Buffer</b>	Supplied as concentrated total IgY preparation from egg yolk. Exact concentration of target specific IgY is not quantifiable as the preparation contains both immune IgY specific for the target and also irrelevant, non-immune IgY.
<b>Target Molecular Weight</b>	48-67 kDa

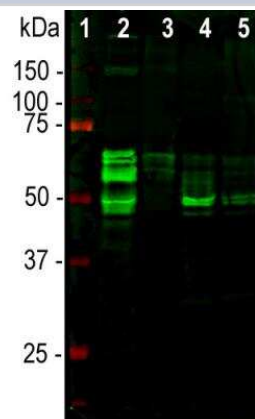
Product Description	
<b>Host</b>	Chicken
<b>Gene ID</b>	4137
<b>Gene Symbol</b>	MAPT
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Equine
<b>Marker</b>	pan-Neuronal Marker
<b>Specificity/Sensitivity</b>	This antibody is expected to bind to all Tau isoforms
<b>Immunogen</b>	Recombinant full length version of the shortest human Tau isoform purified from E. coli
<b>Notes</b>	Chicken products cannot be exported to Canada.

Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:10000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000
<b>Application Notes</b>	This Tau antibody is useful for Immunocytochemistry/Immunofluorescence and Western Blot, where multiple bands can be seen in the range 48-67 kDa, with an additional band at 100kDa, corresponding to the 9 different isoforms of Tau.

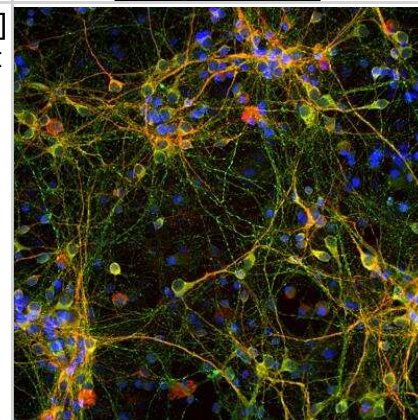


## Images

Western Blot: Tau Antibody [NBP2-25163] - Analysis of tissue lysates using chicken pAb to MAP-tau, NBP2-25163, dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. Tau protein is expressed as multiple isoforms of different molecular weight, and so appears as multiple closely spaced bands in the region of the blot in the range from 48 kDa to 67 kDa.



Immunocytochemistry/Immunofluorescence: Tau Antibody [NBP2-25163] - Immunofluorescent analysis of cortical neuron-glia culture from E20 rat stained with chicken pAb to MAP-tau, NBP2-25163, dilution 1:2,000 in green, and costained with mouse mAb to MAP2, dilution 1:1,000, in red. The blue is DAPI staining of nuclear DNA. The NBP2-25163 antibody stains perikarya, dendrites and axons of neurons, while MAP2 antibody labels only dendrites and perikarya. As a result, perikarya and dendrites appear orange-yellow, since they contain both MAP2 and tau proteins.



## Publications

Wang C, Terrigno M, Li J et al. Increased G3BP2-Tau interaction in tauopathies is a natural defense against Tau aggregation Neuron 2023-06-23 [PMID: 37385246]



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### Products Related to NBP2-25163

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BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-76793-100ug	Recombinant Human Tau Active, (K18), P301L Mutant, Pre-formed Fibrils Protein
7954-GM-010/CF	GM-CSF [Unconjugated]

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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