

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

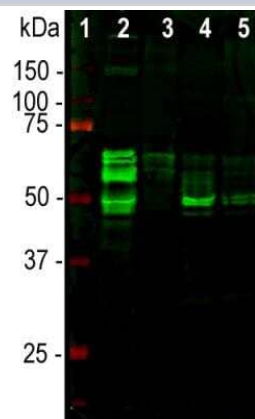
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.035% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
Target Molecular Weight	48-67 kDa

Product Description	
Description	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
Host	Chicken
Gene ID	4137
Gene Symbol	MAPT
Species	Human, Mouse, Rat, Porcine, Bovine, Equine
Marker	pan-Neuronal Marker
Specificity/Sensitivity	This antibody is expected to bind to all Tau isoforms
Immunogen	Recombinant full length version of the shortest human Tau isoform purified from E. coli
Notes	Chicken products cannot be exported to Canada.

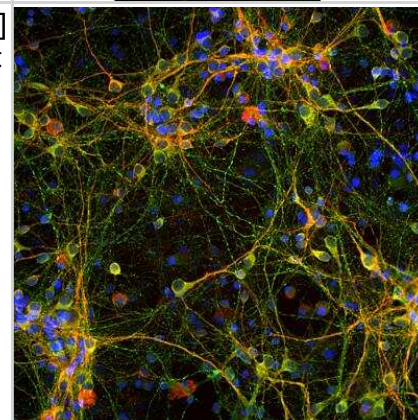
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000
Application Notes	This Tau antibody is useful for Immunocytochemistry/Immunofluorescence 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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP1-51093-0.01mg	Recombinant Human Tau His Protein

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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