Datasheet for ABIN1742567

anti-tau antibody (AA 3-214)

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Overview

Quantity:	100 µg
Target:	tau
Binding Specificity:	AA 3-214
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant mouse tau (aa 3-214).
Clone:	248E5
Isotype:	IgG2a
Specificity:	Specific for tau.
Purification:	purified IgG. Azide was added before lyophilization.

Target Details

Target:	tau
Alternative Name:	tau (tau Products)

Application Details

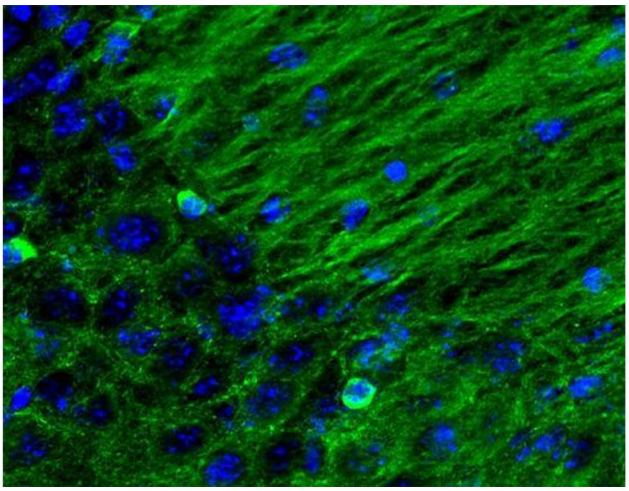
Application Notes:	WB: 1 : 1000 (AP staining) ICC: 1 : 200 up to 1 : 500 IHC: 1 : 100
Comment:	WB: Detects the mouse protein with much greater sensitivity than the rat protein. The antibody binds phosphorylated and non-phosphorylated tau proteins.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 100 µL H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.
Buffer:	PBS, 0.02% sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not store diluted antibody solutions unless you add detergent or carrier proteins such as goat serum, BSA or others. IgG sticks to glass and plastic. Any IgG solution below 0.1 mg/mL protein will quickly adsorb and denature and thus loose activity! Repetitive freeze-thawing of dilute purified IgG is almost certain to lead to substantial losses.
Storage:	-20 °C
Storage Comment:	Unlabeled antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4 °C for several years.

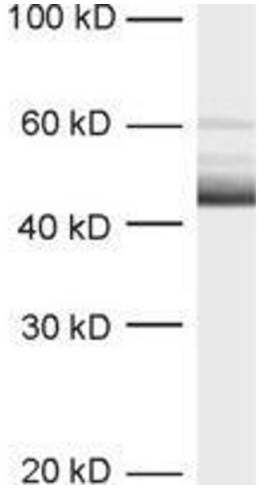
Publications

Product cited in:	Gut, Beske, Hubbard, Lyman, Hamilton, McNutt: "Novel application of stem cell-derived neurons to evaluate the time- and dose-dependent progression of excitotoxic injury." in: **PLoS ONE**, Vol. 8, Issue 5, pp. e64423, (2013) (PubMed). Ahmad, Wolber, Eckardt, Koch, Schmitt, Semechkin, Geis, Heckmann, Brüstle, McLaughlin, Sirén, Müller: "Functional neuronal cells generated by human parthenogenetic stem cells." in: **PLoS ONE**, Vol. 7, Issue 8, pp. e42800, (2012) (PubMed).



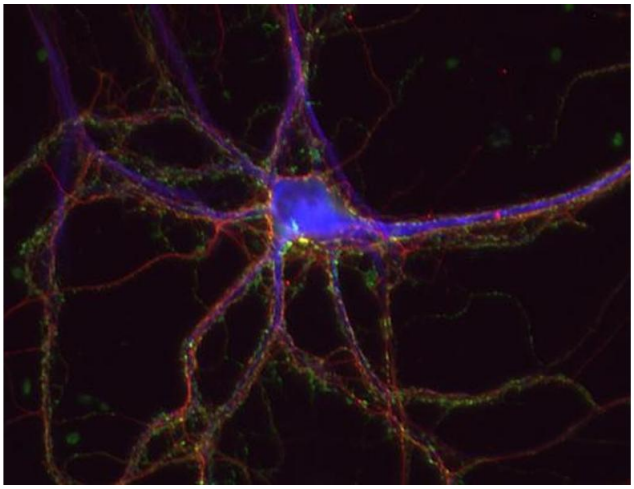
Immunohistochemistry

Image 1.



Western Blotting

Image 2.



Immunocytochemistry

Image 3.

