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Datasheet for ABIN6255298 anti-MAPT antibody (pSer396)

4 Images



Overview

Quantity:	100 µL
Target:	МАРТ
Binding Specificity:	pSer396
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

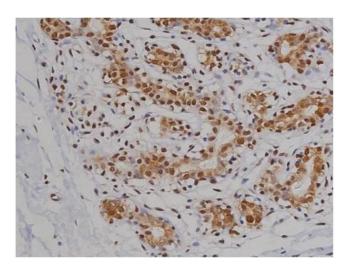
Immunogen:	A synthesized peptide derived from human Tau around the phosphorylation site of Ser396.
Isotype:	IgG
Specificity:	Phospho-Tau (Ser396) Antibody detects endogenous levels of Tau only when phosphorylated at Serine 396.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

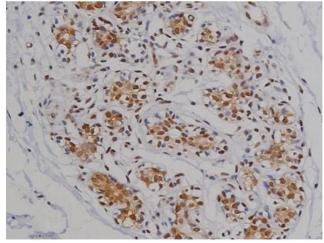
Target Details

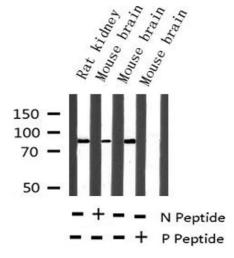
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Target Details		
Alternative Name:	MAPT (MAPT Products)	
Background:	Description: Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by TAU/MAPT localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization. Gene: MAPT	
Molecular Weight:	78kDa	
Gene ID:	4137	
UniProt:	P10636	
Pathways:	MAPK Signaling, Microtubule Dynamics, M Phase, Regulation of Cell Size	
Application Details		
Application Notes:	WB 1:500-1:2000, IHC 1:100-1:500, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	
Expiry Date:	12 months	

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Immunohistochemistry

Image 1. ABIN6267360 at 1/200 staining Human heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Immunohistochemistry

Image 2. ABIN6267360 at 1/200 staining Human heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Western Blotting

Image 3. Western blot analysis of Phospho-Tau (Ser396) expression in various lysates

Please check the product details page for more images. Overall 4 images are available for ABIN6255298.

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