antibodies - online.com







anti-MAPT antibody (pThr205)



Images

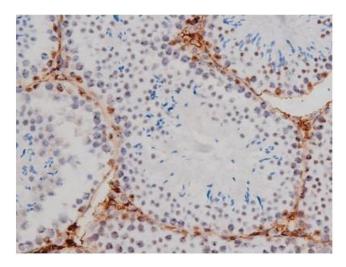


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Quantity:	100 μL	
Target:	MAPT	
Binding Specificity:	pThr205	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MAPT antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)	
Product Details		
Immunogen:	A synthesized peptide derived from human Tau around the phosphorylation site of Thr205.	
Isotype:	IgG	
Specificity:	Phospho-Tau (Thr205) Antibody detects endogenous levels of Tau only when phosphorylated at Thr522, which site historically referenced as Thr205.	
Predicted Reactivity:	Pig,Bovine,Horse,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		
Target:	MAPT	

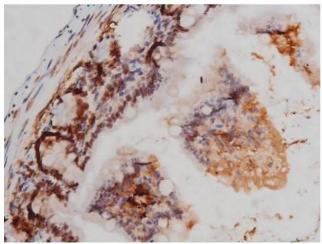
Target Details

Alternative Name:	MAPT (MAPT Products)		
Background:	Description: Promotes microtubule assembly and stability, and might be involved in the		
3	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 1:50-1:200, 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		



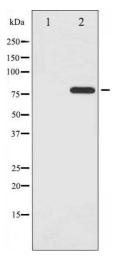
Immunohistochemistry

Image 1. ABIN6267362 at 1/200 staining Mouse testis 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. ABIN6267362 at 1/200 staining Mouse intestinal 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 Tau phosphorylation expression in Mouse brain tissue lysates, The lane on the left is treated with the antigen-specific peptide.

Please check the product details page for more images. Overall 5 images are available for ABIN6255625.