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# anti-MAPT antibody (pSer262)

10 Images



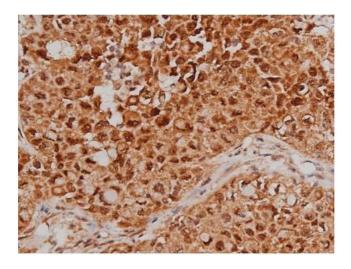
Go to Product page

# Overview

Quantity:	100 μL
Target:	MAPT
Binding Specificity:	pSer262
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 Ser262.
Isotype:	IgG
Specificity:	Phospho-Tau (Ser262) Antibody detects endogenous levels of Tau only when phosphorylated at Ser579, which site historically referenced as Ser262.
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

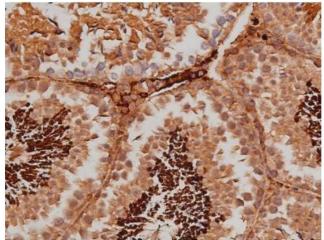
# **Target Details**

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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:	78 kDa
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



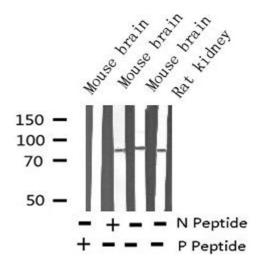
### **Immunohistochemistry**

**Image 1.** ABIN6267363 at 1/200 staining Human lung cancer 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.** ABIN6267363 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.



# **Western Blotting**

**Image 3.** Western blot analysis of Phospho-Tau (Ser262) Antibody expression in mouse brain and rat kidney tissues lysates.

Please check the product details page for more images. Overall 10 images are available for ABIN6256228.