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Product datasheet for UM800131CF

Tau (MAPT) Mouse Monoclonal Antibody [Clone ID: UMAB239]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB239
Applications:	IHC, WB
Recommended Dilution:	IHC 1:300
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 623-758 of human MAPT(NP_058519) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78.7 kDa
Gene Name:	microtubule associated protein tau
Database Link:	NP_058519 Entrez Gene 17762 MouseEntrez Gene 29477 RatEntrez Gene 4137 Human P10636
Synonyms:	DDPAC; FTDP-17; MAPTL; MSTD; MTBT1; MTBT2; PPND; PPP1R103; TAU; tau-40
Protein Families:	Druggable Genome

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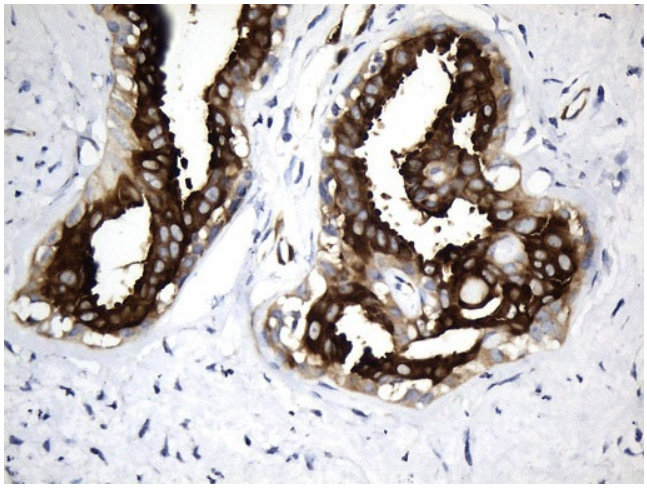
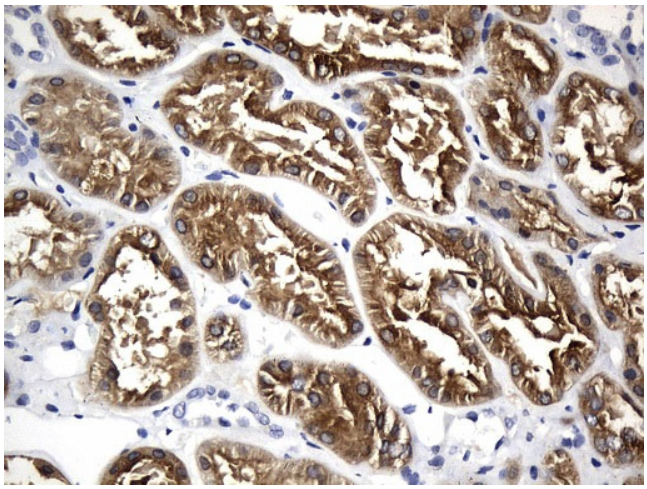
Protein Pathways: Alzheimer's disease, MAPK signaling pathway

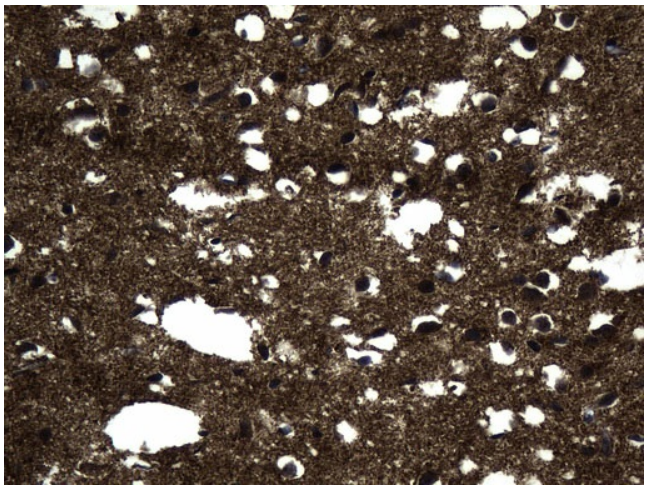
Product images:



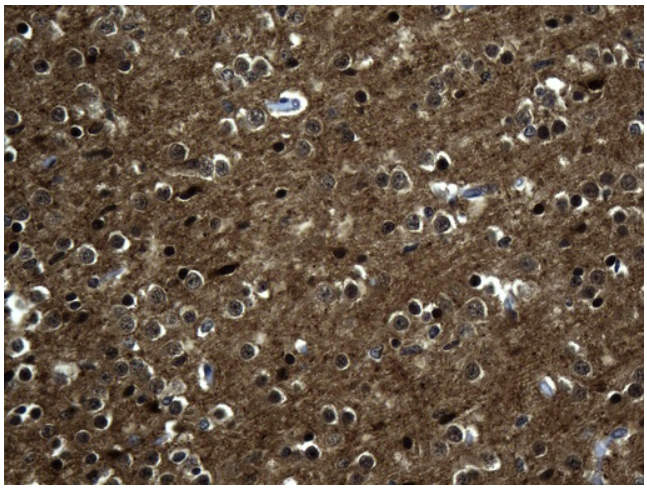
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-MAPT mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800131]) (1:300)



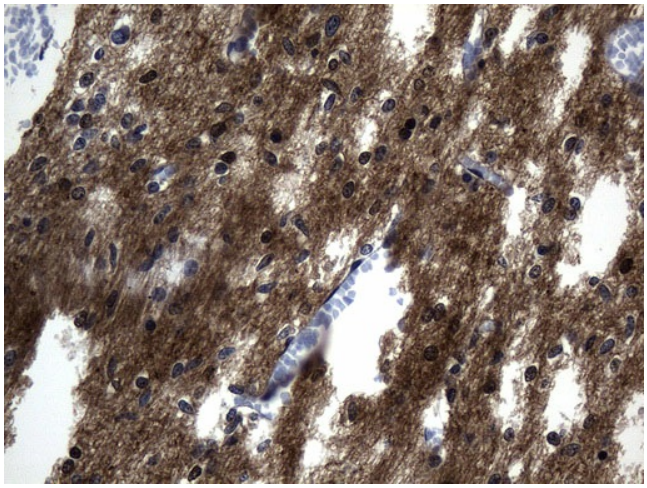
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-MAPT mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800131]) (1:300)



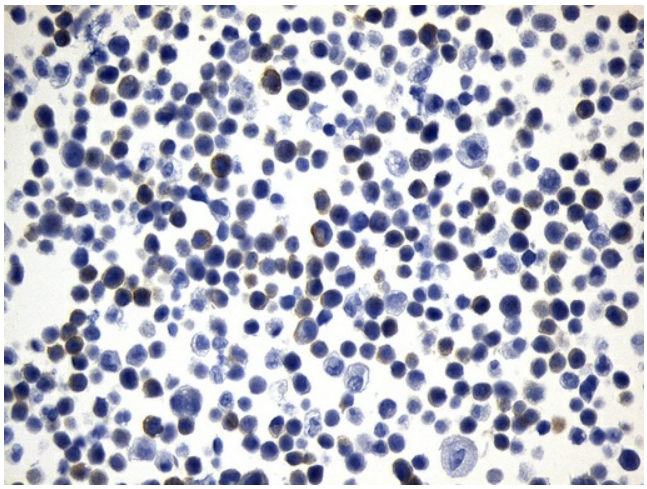
Immunohistochemical staining of paraffin-embedded Human adult brain tissue within the normal limits using anti-MAPT mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800131]) (1:300)



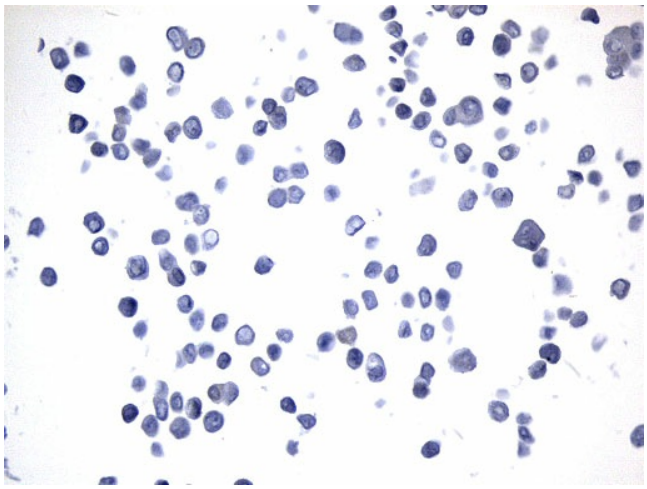
Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue within the normal limits using anti-MAPT mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800131]) (1:300)



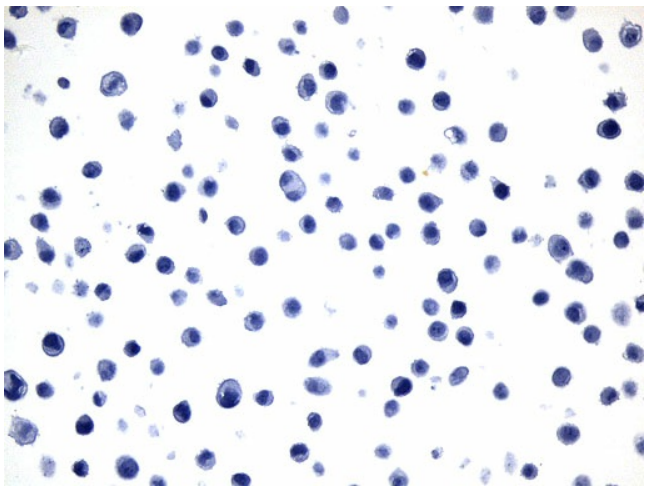
Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum within the normal limits using anti-MAPT mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800131]) (1:300)



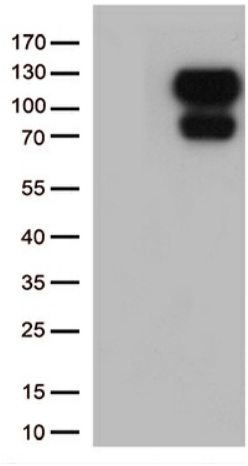
Immunohistochemical staining of paraffin-embedded MCF7 cell pellets using anti-MAPT mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800131]) (1:300)



Immunohistochemical staining of paraffin-embedded T-47D cell pellets using anti-MAPT mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800131]) (1:300)



Immunohistochemical staining of paraffin-embedded HeLa cell pellets using anti-MAPT mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800131]) (1:300)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MAPT ([RC216166], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAPT (1:500).