[illegible]

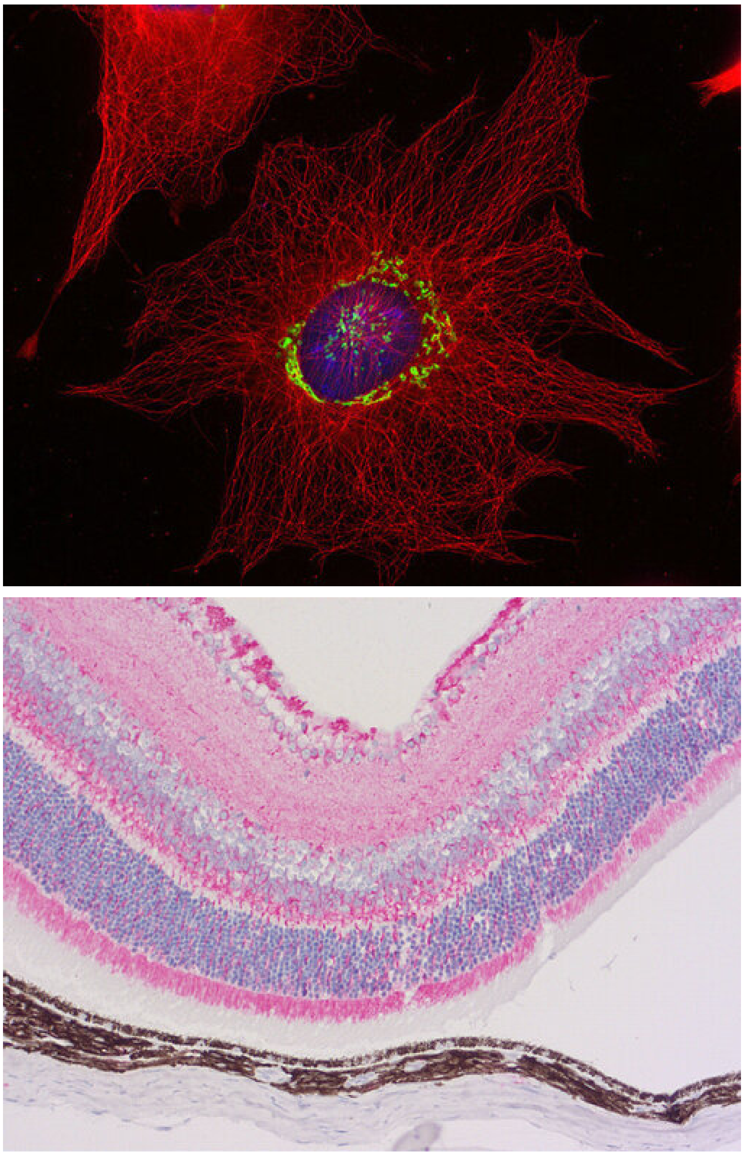
[illegible]

[illegible]

[illegible](Fletcher and Mullins, 2010)[illegible]

[illegible]α[illegible]β[illegible]

[illegible](Goodson and Jonasson, 2018)[illegible]



[illegible]1[illegible]α-[illegible] (cat. no. 302 008, [illegible] 1 : 500; [illegible]) [illegible](cat. no. 263 005, [illegible] 1 : 500; [illegible])[illegible]DAPI[illegible]

⊠2⊠⊠⊠⊠⊠α-⊠⊠⊠⊠ (cat. no. 302 211, ⊠⊠⊠⊠ 1 : 1000; AP-⊠⊠)⊠⊠⊠⊠⊠PFA⊠⊠

⊠⊠⊠(ICC) (⊠ 1) ⊠⊠⊠⊠⊠⊠⊠(IHC / IHC-P) (⊠ 2)⊠⊠⊠⊠⊠⊠⊠⊠α-⊠⊠⊠⊠⊠Synaptic Systems⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠
⊠⊠⊠⊠⊠α-⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠

α⊠⊠⊠⊠⊠⊠

Cat. No.	Product Description	Application	Quantity	Price	Cart
302 008	α-Tubulin, rabbit, recombinant IgG	WB ICC IHC	100 µg	US$420.00	
302 203	α-Tubulin, rabbit, affinity	WB ICC IHC ELISA	100 µg	US$380.00	
302 206	α-Tubulin, chicken, affinity	WB ICC IHC IHC-P (FFPE)	50 µg	US$385.00	
302 211	α-Tubulin, mouse, recombinant IgG	WB IP ICC IHC IHC-P (FFPE) ExM ELISA	100 µg	US$420.00	
302 211C3	α-Tubulin, mouse, IgG, Oyster 550 **discontinued**	ICC	50 µg		
302 217	α-Tubulin, rat, IgG	WB ICC IHC	100 µg	US$420.00	
302 308	α-Tubulin, Guinea pig, recombinant IgG	WB ICC IHC IHC-P (FFPE)	50 µg	US$420.00	
302 411	α-Tubulin, mouse, IgM K.O.	WB ICC IHC	100 µg	US$420.00	
302 204	α-Tubulin , Guinea pig, antiserum	WB ICC IHC	100 µl	US$370.00	

Result count: **9**

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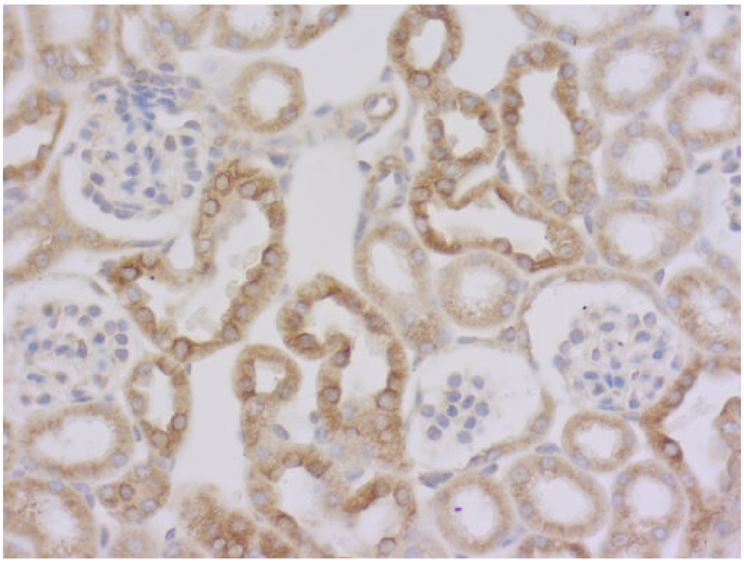
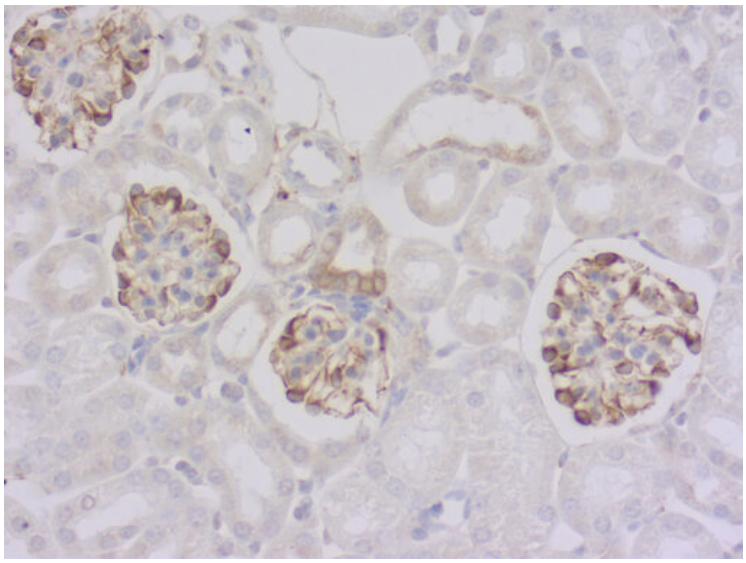
⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠5-10⊠⊠(Infante, 2000)⊠
⊠⊠⊠⊠⊠ /⊠⊠⊠⊠⊠α-⊠⊠⊠⊠⊠C⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠C⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(Aillaud et al., 2017)⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠Glu-⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(⊠ 3)⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(TTL)⊠⊠⊠⊠⊠⊠⊠⊠α-⊠⊠⊠⊠⊠⊠⊠Tyr-⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(Erck et al. 2005)⊠
⊠⊠⊠⊠⊠: ⊠⊠⊠⊠⊠(⊠⊠⊠ 4-6⊠)⊠⊠⊠⊠⊠⊠⊠α⊠β⊠⊠⊠⊠c⊠⊠⊠⊠⊠⊠⊠⊠⊠(Edde et al., 1990; Wehland et al., 1992)⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠
Synaptic Systems ⊠Glu-⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠Tyr-⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠

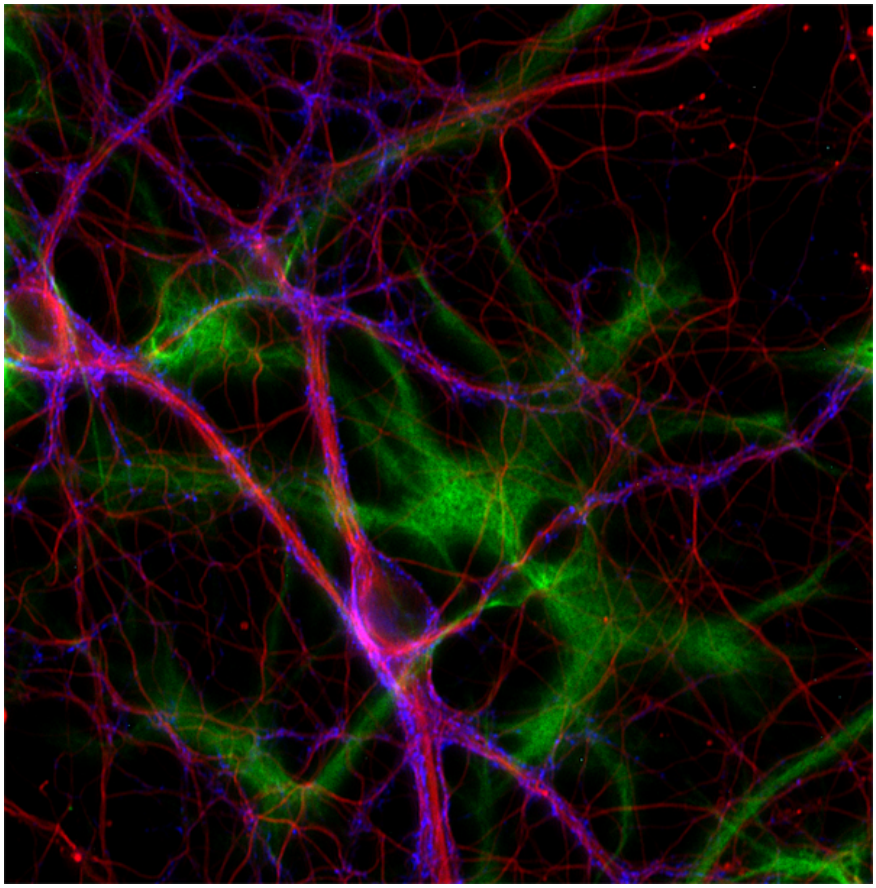




 3a: Tyr-α PFA (, cat. no. 302 117, 1 : 1000; DAB)

 3b: Glu-α (cat. no. 302 011, 1 : 1000; DAB)

Delta2: α- delta2 D2- α - (Paturle-Lafanechère et al., 1994) (4)



4: Δ2- (cat. no. 302 213, 1 : 500;)1 (cat. no. 105 011, 1 : 500;) GFAP (cat. no. 173 004, 1 : 500;)

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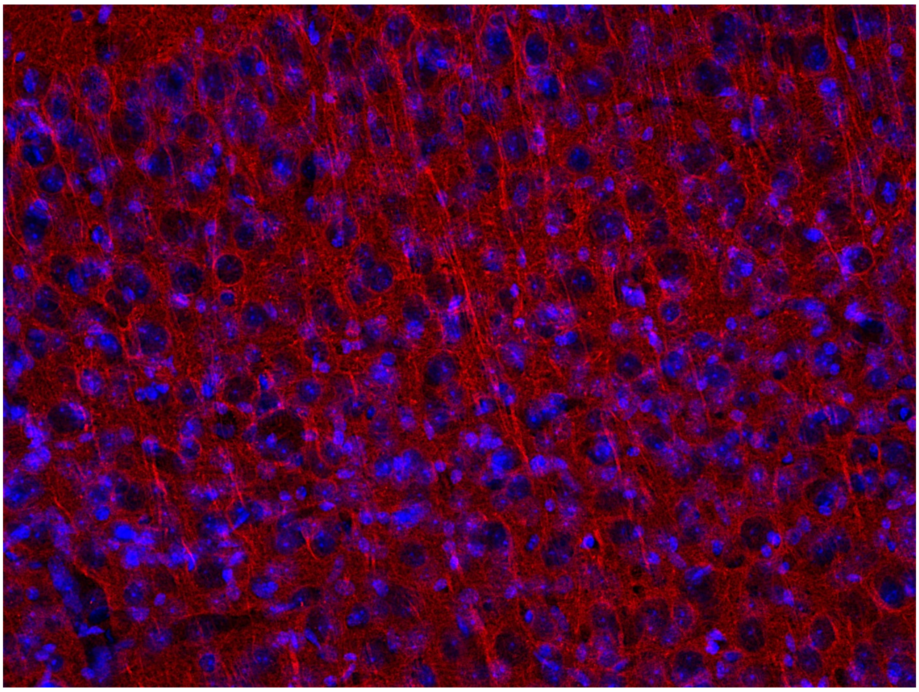
β3-□□□

□□□β-□□□□□□□TuJ1□□□□□□□□□□□□CNS□PNS□□□□□□□□□□□□□□□□□□□□□□□□□□Katsetos et al.□2003□□□□□□□□□□□□□□□□□□□□□□Dráberovà et al.□1998□□□5□



□ 5: □□□□□β3-□□□□ (cat. no. 302 311, □□□□ 1 : 5000, □□)□□□□□PFA□□□□□□□□□□□□□□□□□□□□□□□□DAPI□□□□□□□

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Cat. No.	Product Description	Application	Quantity	Price	Cart
302 302	β3-Tubulin, rabbit, antiserum	WB IP ICC IHC IHC-P (FFPE)	200 µl	US$365.00	
302 304	β3-Tubulin, Guinea pig, antiserum	WB IP ICC IHC IHC-P (FFPE)	100 µl	US$375.00	
302 306	β3-Tubulin, chicken, IgY fraction	WB ICC IHC IHC-P (FFPE)	200 µl	US$365.00	
302 311	β3-Tubulin, mouse, IgG	WB IP ICC IHC IHC-P (FFPE)	100 µg	US$420.00	
302 213	Δ2-tubulin, rabbit, affinity	WB ICC IHC IHC-P (FFPE)	50 µg	US$380.00	
302 011	Glu-Tubulin, mouse, IgG	WB ICC IHC IHC-P (FFPE)	100 µg	US$420.00	
302 117	Tyr-α-tubulin, rat, IgG K.O.	WB IP ICC IHC IHC-P (FFPE)	100 µg	US$420.00	

Result count: **7**

□□□□

Aillaud et al., 2017: Vasohibins/SVBP are tubulin carboxypeptidases (TCPs) that regulate neuron differentiation. PMID: 29146868

Dráberovà et al., 1998: Expression of class III beta-tubulin in normal and neoplastic human tissues. PMID: 9541471

Edde et al., 1990: Posttranslational glutamylation of alpha-tubulin. PMID: 1967194

Erck et al., 2005: A vital role of tubulin-tyrosine-ligase for neuronal organization. PMID: 15899979

Fletcher and Mullins, 2010: Cell mechanics and the cytoskeleton. PMID: 20110992

Goodson and Jonasson, 2018: Microtubules and Microtubule-Associated Proteins. PMID: 29858272

Infante, 2000: Detyrosinated (Glu) microtubules are stabilized by an ATP-sensitive plus-end cap. PMID: 11058078

Katsetos et al. 2003: Class III beta-tubulin in human development and cancer. PMID: 12740870

Paturle-Lafanechère et al., 1994: Accumulation of delta 2-tubulin, a major tubulin variant that cannot be tyrosinated, in neuronal tissues and in stable microtubule assemblies. PMID: 7962195

Wehland et al., 1992: Class II tubulin, the major brain β tubulin isotype is polyglutamylated on glutamic acid residue. PMID: 1379548