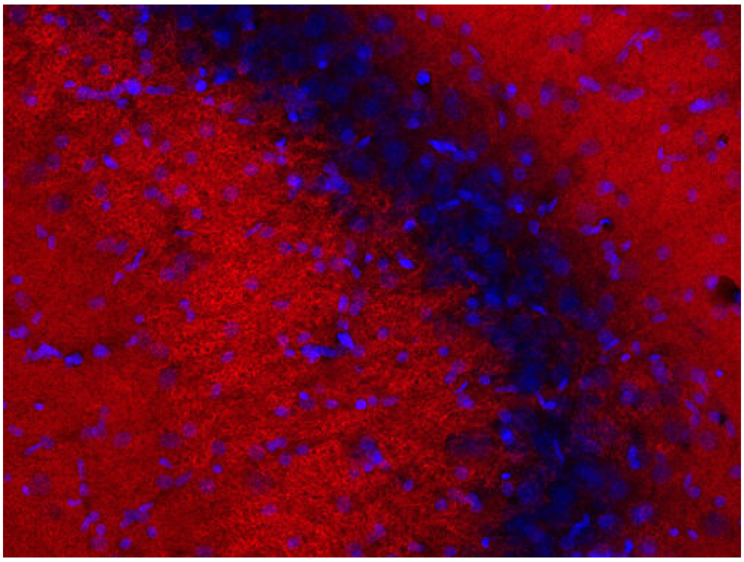
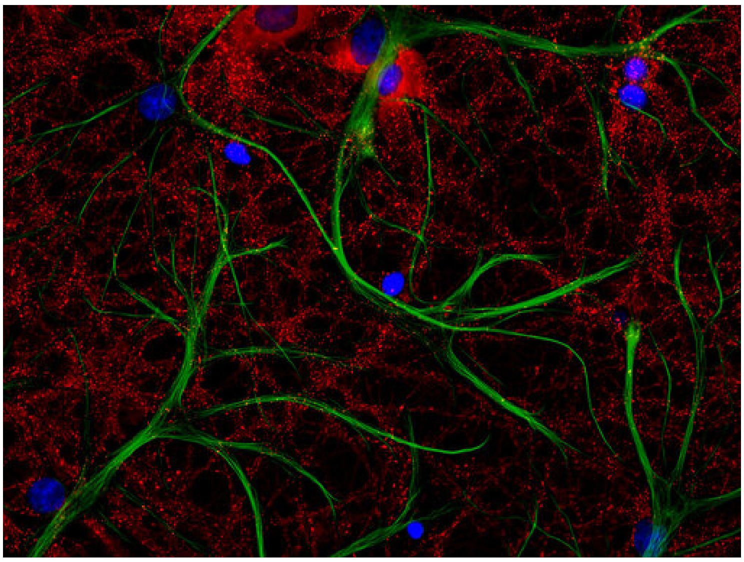
⊠PSD95⊠⊠⊠⊠⊠PFA⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(IHC)⊠⊠⊠⊠⊠⊠⊠⊠ (ICC)⊠⊠⊠⊠⊠⊠⊠

- ⊠⊠
- ⊠⊠⊠⊠⊠⊠ (PSD)
- PSD95 (SAP90)
- The PSD95 FluoTag
- The PSD95 sdAb - FluoTag-X2 – ⊠⊠⊠⊠⊠⊠⊠
- Synaptic Systems⊠⊠⊠⊠⊠⊠ - ⊠⊠⊠⊠⊠⊠⊠⊠
- ⊠⊠

⊠⊠

NanoTag Biotechnologies ⊠ Synaptic Systems ⊠⊠⊠⊠⊠PSD95 FluoTag-X2 ⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(IHC) (⊠1) ⊠⊠⊠⊠⊠⊠(ICC) (⊠ 2)⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠PFA / ⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠



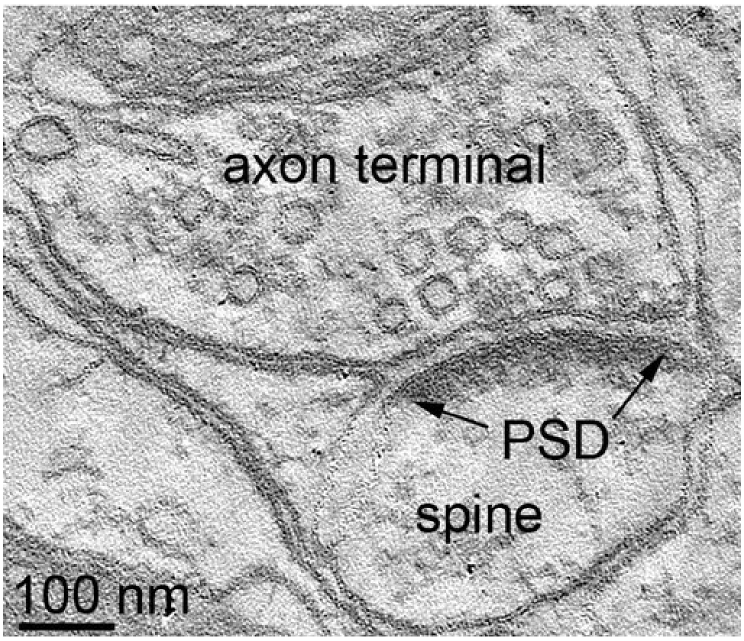


⊠1⊠⊠FluoTag-X2 ⊠-PSD95⊠⊠Cy 3 ⊠⊠(cat. no. N3702-SC3-L,⊠⊠⊠1 : 500, ⊠⊠)⊠⊠⊠⊠⊠⊠⊠PFA⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠DAPI⊠⊠⊠⊠⊠⊠⊠

⊠2⊠⊠FluoTag-X2 ⊠-PSD95-ATTO 542 ⊠⊠(cat. no. N3702-At542-L, ⊠⊠)⊠FluoTag-X2 ⊠-GFAP-At488⊠⊠ (cat. no. N3802-At488-L, ⊠⊠)⊠⊠⊠PFA⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠DAPI⊠⊠⊠⊠⊠⊠⊠

□□□□□□(PSD)

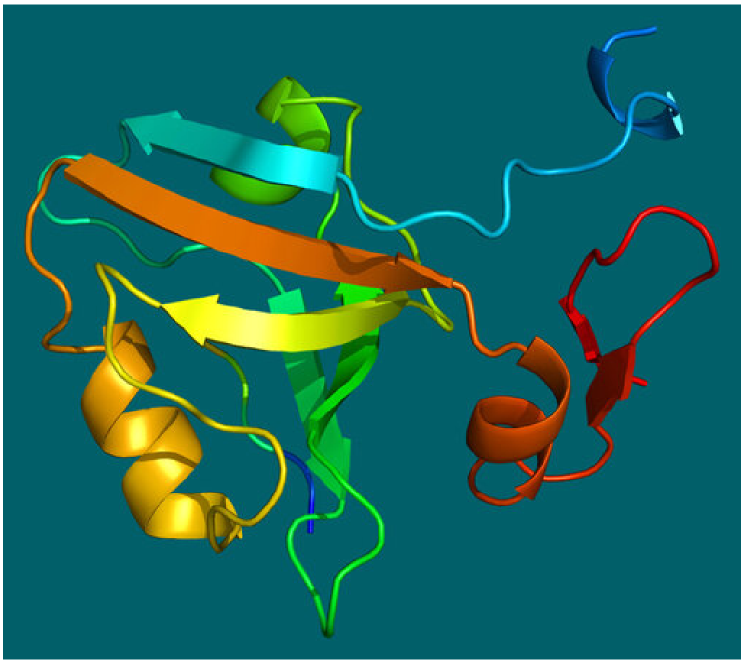
□□□□□□ (PSD) □□□□□□□□□□SAP90□□(□3)□□(Banker et al., 1974; Ziff, 1997; Dosemeci et al., 2016)□
□□(Meyer et al., 2014; Vyas and Montgomery, 2016)



□3□□□□□□□□□□□□□□□□□□□□□□
N. Holderith PhD □□□
Laboratory of Cellular Neurophysiology,
Institute of Experimental Medicine
Budapest

PSD95 (SAP90)

PSD95 (□□□□□□□□ 95) □□□SAP90 (□□□□□□ 90)□□□DLG4□□□□□Disks large homolog 4 (Statthakis et al., 1997)□
□□□□□□PSD93, SAP102□SAP97□□□□□MAGUK □□□□□□□□□□□□PDZ, SH3□GUK□□□□□□(Woods and Bryant, 1993) (□□4)□



⊠4⊠PSD95⊠⊠⊠3D⊠⊠⊠⊠⊠PyMOL ⊠⊠PDB 1be9⊠⊠⊠⊠

PSD95⊠PSD93 ⊠PSD⊠⊠⊠⊠⊠(Hunt et al., 1996; Kennedy, 1997)⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(Dosemeci et al., 2016)⊠

⊠⊠⊠⊠⊠⊠ PSD95⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠ (ICC)⊠⊠⊠⊠⊠⊠⊠(IHC)⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠IgG⊠⊠⊠⊠⊠⊠ ⊠⊠⊠

The PSD95 FluoTag

⊠⊠PSD95 FluoTag N3702⊠⊠⊠⊠⊠⊠⊠(sdAb)⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠NanoTag Biotechnologies⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠ 15 kDa⊠⊠⊠FluoTag⊠⊠⊠⊠IgG⊠⊠⊠⊠⊠⊠⊠10⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠4% PFA⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠PSD95 FluoTag⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠ ⊠⊠⊠
⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠PSD95 FluoTag⊠⊠PFA⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(⊠ 2)⊠
⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠FluoTag⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠
⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠PSD95 FluoTag⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠⊠(⊠⊠⊠)

PSD95 sdAb - FluoTag-X2 - ⊠⊠⊠⊠⊠⊠⊠

Cat. No.	Product Description	Application	Quantity	Price	Cart
N3702-AF568-L	PSD95 sdAb, camelid, FluoTag-X2, Alexa 568	WB ICC IHC	200 µl	US$540.00	
N3702-AF647-L	PSD95 sdAb, camelid, FluoTag-X2, Alexa 647	ICC IHC IHC-P (FFPE)	200 µl	US$540.00	
N3702-At488-L	PSD95 sdAb, camelid, FluoTag-X2, ATTO 488	ICC IHC IHC-P (FFPE)	200 µl	US$540.00	

Result count: **3**

Synaptic Systems ⊠⊠⊠⊠⊠⊠-⊠⊠⊠⊠⊠⊠⊠⊠

- ⊠⊠⊠⊠⊠⊠(PSD) ⊠⊠⊠⊠
- ⊠⊠⊠⊠⊠⊠ ⊠⊠⊠⊠
- ⊠⊠⊠⊠⊠⊠ ⊠⊠⊠⊠
- PSD 93 ⊠⊠⊠⊠
- SAP 102 ⊠⊠⊠⊠
- SAP 97 ⊠⊠⊠⊠
- ⊠⊠⊠⊠(HIC)⊠⊠⊠⊠ ⊠⊠⊠⊠⊠⊠⊠⊠⊠

⊠⊠⊠⊠

Banker et al. 1974: Proteins of the postsynaptic density. PMID: 4419608

Dosemeci et al. 2016: The Postsynaptic Density: There Is More than Meets the Eye. PMID: 27594834

Hunt et al. 1996: PSD-95 is associated with the postsynaptic density and not with the presynaptic membrane at forebrain synapses. PMID: 8778289

Kennedy 1997: The postsynaptic density at glutamatergic synapses. PMID: 9185308

Meyer et al. 2014: Balance and stability of synaptic structures during synaptic plasticity. PMID: 24742464

Statthakis et al. 1997: Human postsynaptic density-95 (PSD95): location of the gene (DLG4) and possible function in nonneural as well as in neural tissues. PMID: 9286702

Vyas and Montgomery 2016: The role of postsynaptic density in neural degeneration and regeneration. PMID: 27482211

Woods and Bryant 1993: ZO-1, DlgA and PSD-95/SAP90: homologous proteins in tight, septate and synaptic cell junctions. PMID: 8155583

Ziff 1997: Enlightening the postsynaptic density. PMID: 9427241