

## Product datasheet for 75-057

### Dlg2 Mouse Monoclonal Antibody [Clone ID: N18/30]

#### Product data:

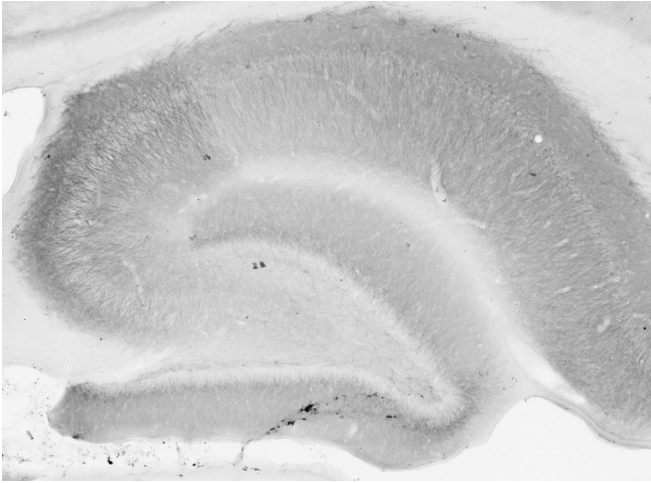
Product Type:	Primary Antibodies
Clone Name:	N18/30
Applications:	IF, IHC, IP, WB
Recommend Dilution:	<b>Immunoblot (IB).</b> <b>Immunohistochemistry (IHC).</b> <b>Immunoprecipitation (IP).</b> <b>Immunocytochemistry (ICC).</b>
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1-852 (full-length) of rat Chapsyn-110 (also known as Channel-associated protein of synapse-110, Postsynaptic density protein PSD-93, Disks large homolog 2, Dlg2 and Dlg2, accession number Q63622). Mouse: 99% identity (846/852 amino acids identical). Human: 94% identity (826/870 amino acids identical). >60% identity with other MAGUK family members. (SAP97/Dlg1, SAP102/Dlg3 and PSD-95/Dlg4).
Specificity:	Does not cross-react with SAP-97, SAP102 or PSD-95
Formulation:	State: Purified
Gene Name:	discs large homolog 2
Database Link:	<a href="#">Entrez Gene 64053 Rat</a>
Synonyms:	Disks large homolog 2, PSD-93, Chapsyn-110



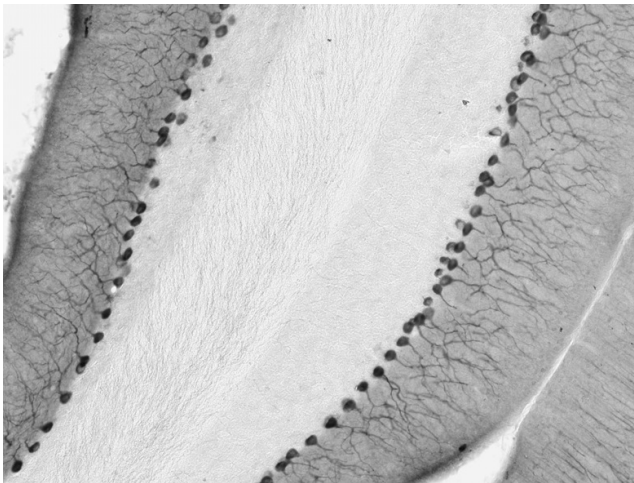
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**Note:** USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody \_ was developed by and/or obtained from the UC Davis/NIH NeuroMab Facility, supported by NIH grant U24NS050606 and maintained by the Department of Neurobiology, Physiology and Behavior, College of Biological Sciences, University of California, Davis, CA 95616."  
Also, please include the complete clone number (e.g., N52A/42) and the Antibody Registry identification number (e.g., RRID:AB\_2120479) to avoid ambiguity.  
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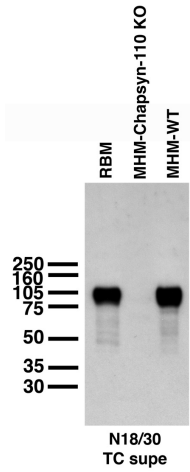
### Product images:



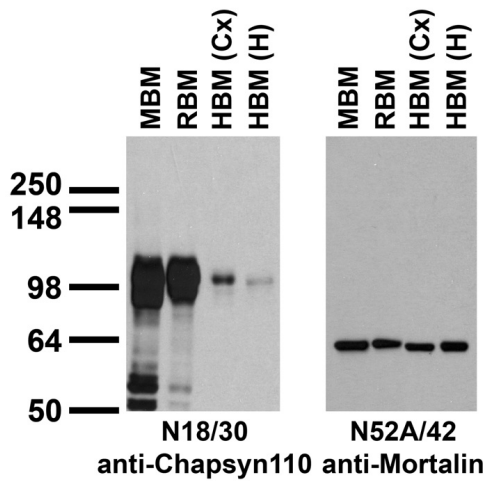
Adult rat brain hippocampus immunohistochemistry.



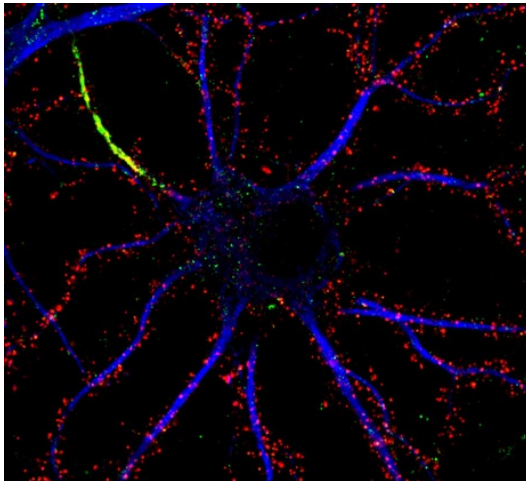
adult rat cerebellum immunohistochemistry.



immunoblot against crude membranes from whole adult rat brain (RBM) or hippocampi (MHM) from adult PSD-93/Chapsyn-110 knockout (KO) or wild-type (WT) mice. Mouse samples courtesy of Richard Huganir (Johns Hopkins University).



immunoblot against crude membranes from whole adult mouse brain (MBM) or rat brain (RBM) and from human cerebral cortex [HBM(Cx)] or hippocampus [HBM(H)] probed with N18/30 (left) or N52A/42 (right) TC supe.



immunofluorescence staining of cultured rat hippocampal neurons with N18/30 (red), K13/31 (Kv1.4, green) and rabbit anti-MAP2 (blue). Image courtesy of Yasuhiro Ogawa and Matthew Rasband (Baylor College of Medicine).