

Product datasheet for 75-093

Adam22 Mouse Monoclonal Antibody [Clone ID: N57/2]

Product data:

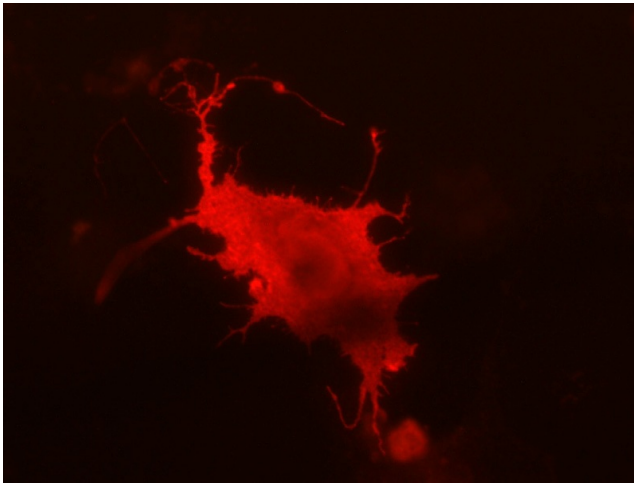
Product Type:	Primary Antibodies
Clone Name:	N57/2
Applications:	IF, IP, WB
Recommend Dilution:	Immunoblot (IB). Immunoprecipitation (IP). Immunocytochemistry (ICC).
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 444-526 (extracellular disintegrin domain) of mouse ADAM22 (also known as Disintegrin and metalloproteinase domain-containing protein 22, Metalloproteinasedisintegrin ADAM22-3, Metalloproteinase-like disintegrin-like and cysteine-rich protein 2 and MDC2, accession number Q9R1V6). Human: 95% identity (79/83 amino acids identical). Rat: 100% identity (83/83 amino acids identical). >50% identity with ADAM11 and ADAM23.
Specificity:	Does not cross-react with ADAM11 (based on KO validation results)
Formulation:	State: Purified
Gene Name:	a disintegrin and metalloproteinase domain 22
Database Link:	Entrez Gene 11496 Mouse
Synonyms:	MDC2; MGC149832



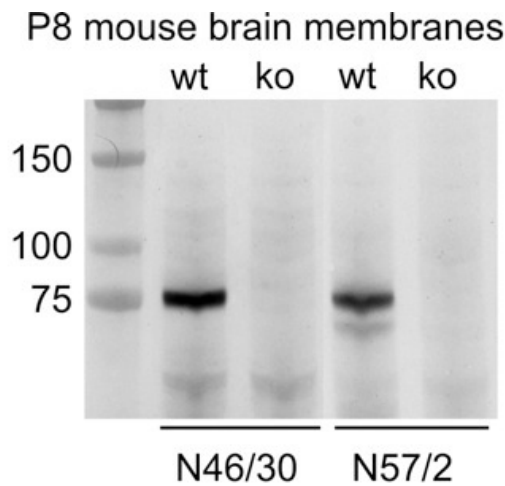
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Note: USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody _ was developed by and/or obtained from the 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. [View Research License Agreement](#)

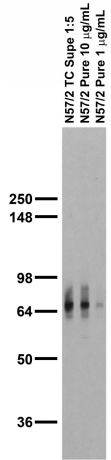
Product images:



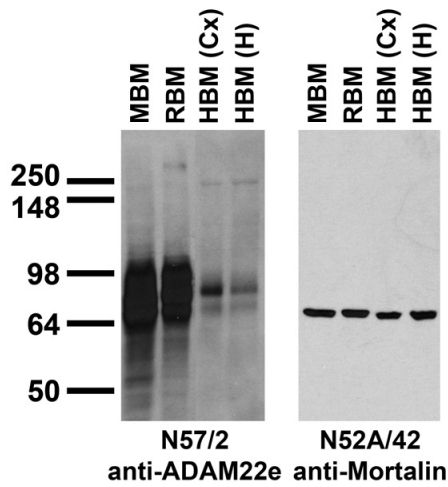
Transfected cell immunofluorescence showing unpermeabilized COS-1 cells expressing ADAM22.



Immunoblot versus membranes from postnatal day 8 wild-type (wt) and ADAM22-knockout (ko) mice and probed with N46/30 (left) and N57/2 (right). Data courtesy of Dies Meijer, Erasmus University Rotterdam.



Adult rat brain membrane immunoblot



Immunoblot versus brain membranes from whole rat (RBM) and mouse (MBM) brain, and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].