



### Anti-ADAM22-extracellular, NeuroMab clone N57/2

Available as TC supe (RRID: AB\_10671172) & Pure IgG (RRID: AB\_2223817)

#### Immunogen:

Fusion protein amino acids 444-526 (extracellular disintegrin domain) of mouse ADAM22 (also known as Disintegrin and metalloproteinase domain-containing protein 22, Metalloproteinase-disintegrin 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

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

#### NeuroMab Applications:

Immunoblotting, Immunocytochemistry and Immunoprecipitation

Species Reactivity: human (weak), mouse, rat

Does not cross-react with ADAM11 (based on KO validation results)

MW: 90 kDa

Upper right: Adult rat brain membrane immunoblot

Lower left: 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.

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

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

