Datasheet for ABIN6136539

anti-ADAM9 antibody (AA 475-685)

3 Images

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Overview

Quantity:	100 µL
Target:	ADAM9
Binding Specificity:	AA 475-685
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAM9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 475-685 of human ADAM9 (NP_003807.1).
Sequence:	GKTSECDVPE YCNGSSQFCQ PDVFIQNGYP CQNNKAYCYN GMCQYYDAQC QVIFGSKAKA APKDCFIEVN SKGDRFGNCG FSGNEYKKCA TGNALCGKLQ CENVQEIPVF GIVPAIIQTP SRGTKCWGVD FQLGSDVPDP GMVNEGTKCG AGKICRNFQC VDASVLNYDC DVQKKCHGHG VCNSNKNCHC ENGWAPPNCE TKGYGGSVDS G
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ADAM9
Alternative Name:	ADAM9 (ADAM9 Products)
Background:	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Several alternatively spliced transcript variants have been identified for this gene.,ADAM9,CORD9,MCMP,MDC9,Mltng,Cancer,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,ADAM Protein Family,MMPs,Ubiquitin,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,ADAM9
Molecular Weight:	72 kDa/90 kDa
Gene ID:	8754
UniProt:	Q13443
Pathways:	Cellular Response to Molecule of Bacterial Origin, SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

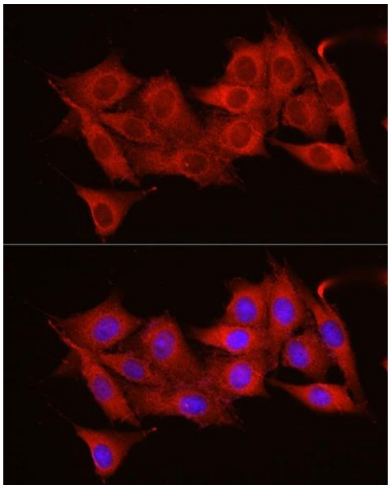
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

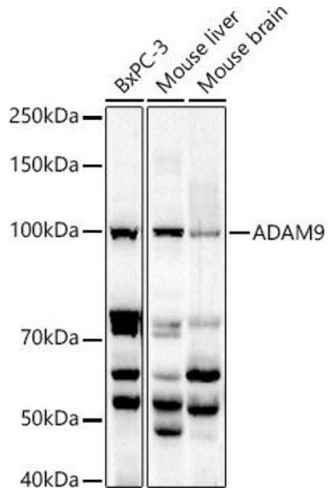
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



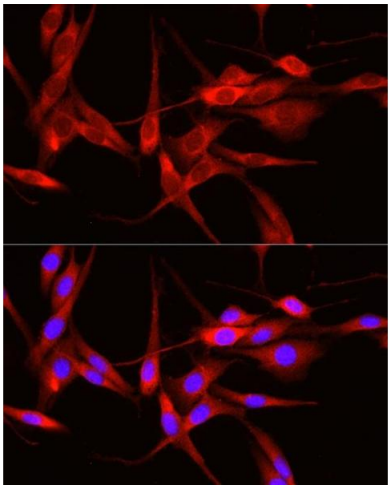
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using Rabbit pAb (ABIN6131155, ABIN6136539, ABIN6136540 and ABIN6221035) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using antibody (ABIN6131155, ABIN6136539, ABIN6136540 and ABIN6221035) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.



Immunofluorescence

Image 3. Immunofluorescence analysis of PC-12 cells using Rabbit pAb (ABIN6131155, ABIN6136539, ABIN6136540 and ABIN6221035) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.