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Datasheet for ABIN7267100

## anti-FAM107A antibody (AA 1-144)





#### Overview

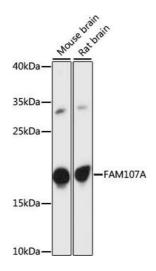
Quantity:	100 μL
Target:	FAM107A
Binding Specificity:	AA 1-144
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAM107A antibody is un-conjugated
Application:	Western Blotting (WB)

#### **Product Details**

Purpose:	FAM107A Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-144 of human FAM107A (NP_009108.1).
Sequence:	MYSEIQRERA DIGGLMARPE YREWNPELIK PKKLLNPVKA SRSHQELHRE LLMNHRRGLG VDSKPELQRV LEHRRRNQLI KKKKEELEAK RLQCPFEQEL LRRQQRLNQL EKPPEKEEDH APEFIKVREN LRRIATLTSE EREL
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	FAM107A
Alternative Name:	FAM107A (FAM107A Products)
Background:	Stress-inducible actin-binding protein that plays a role in synaptic and cognitive functions by modulating actin filamentous (F-actin dynamics. Mediates polymerization of globular actin to F-actin. Also binds to, stabilizes and bundles F-actin. Involved in synaptic function by regulating neurite outgrowth in an actin-dependent manner and for the acquisition of hippocampus-dependent cognitive function, such as learning and long-term memory (By similarity. Plays a role in the actin and microtubule cytoskeleton organization, negatively regulates focal adhesion (FA assembly promoting malignant glial cell migration in an actin-, microtubule- and MAP1A-dependent manner. Also involved in neuroblastoma G1/S phase cell cycle progression and cell proliferation inhibition by stimulating ubiquitination of NF-kappa-B subunit RELA and NF-kappa-B degradation in a COMMD1- and actin-dependent manner. May play a role in tumor development.,FAM107A,DRR1,TU3A,Cancer,Tumor biomarkers,Cell Biology & Developmental Biology,Cell Cycle,Cell cycle inhibitors,FAM107A
Molecular Weight:	15kDa/17kDa/20kDa
Gene ID:	11170
UniProt:  Application Details	095990
Application Notes:	WB,1:500 - 1:2000
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### **Western Blotting**

Image 1. Western blot analysis of extracts of various cell lines, using FA antibody (ABIN7267100) 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: 90s.