Actin-associated protein FAM107A Antibody

Mouse Monoclonal Antibody [Clone FAM107A/14888]

Catalog No	Format	Size
11170-MSM17-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
11170-MSM17-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
11170-MSM17-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	FAM107A/14888
Immunogen	Recombinant fragment (around aa 16-144) of human FAM107A protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	17.45kDa
Cellular Localization	Cell junction, Cell projection, Cytoplasm, Cytoskeleton, Focal adhesion, Nucleus, Ruffle membrane, Stress fiber, Synapse
Species Reactivity	Human
Positive Control	Widely expressed (PubMed:10564580)

**Optimal dilution for a specific application should be determined.*

Product Images for Actin-associated protein FAM107A Antibody

Specificity & Comments

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 (PubMed:20543869). 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 (PubMed:10564580, PubMed:28604741). May play a role in tumor development (PubMed:10564580).

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.