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SH3RF1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12252

Product Information

Application	WB
Primary Accession	Q7Z6J0
Other Accession	NM_020870, NP_065921
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93129

Additional Information

Gene ID	57630
Alias Symbol	FLJ21602, KIAA1494, POSH, RNF142, SH3MD2
Other Names	E3 ubiquitin-protein ligase SH3RF1, 6.3.2.-, Plenty of SH3s, Protein POSH, RING finger protein 142, SH3 domain-containing RING finger protein 1, SH3 multiple domains protein 2, SH3RF1, KIAA1494, POSH, RNF142, SH3MD2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SH3RF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SH3RF1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SH3RF1
Function	Has E3 ubiquitin-protein ligase activity. In the absence of an external substrate, it can catalyze self-ubiquitination (PubMed:15659549, PubMed:20696164). Stimulates ubiquitination of potassium channel KCNJ1, enhancing its dynamin-dependent and clathrin- independent endocytosis (PubMed:19710010). Acts as a scaffold protein that coordinates with MAPK8IP1/JIP1 in organizing different components of the JNK pathway, including RAC1 or RAC2, MAP3K11/MLK3 or MAP3K7/TAK1, MAP2K7/MKK7, MAPK8/JNK1 and/or MAPK9/JNK2 into a functional multiprotein complex to ensure the effective activation of the JNK signaling pathway. Regulates the

differentiation of CD4(+) and CD8(+) T-cells and promotes T-helper 1 (Th1) cell differentiation. Regulates the activation of MAPK8/JNK1 and MAPK9/JNK2 in CD4(+) T-cells and the activation of MAPK8/JNK1 in CD8(+) T-cells. Plays a crucial role in the migration of neocortical neurons in the developing brain. Controls proper cortical neuronal migration and the formation of proximal cytoplasmic dilation in the leading process (PCDLP) in migratory neocortical neurons by regulating the proper localization of activated RAC1 and F-actin assembly (By similarity).

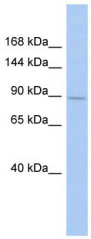
Cellular Location

Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q71F54}. Cell projection, lamellipodium {ECO:0000250|UniProtKB:Q69ZI1}. Golgi apparatus, trans-Golgi network Note=Colocalizes, with AKT2, in lamellipodia (By similarity) Colocalizes, with HERP1, in trans-Golgi network {ECO:0000250|UniProtKB:Q69ZI1, ECO:0000269|PubMed:17420289}

References

Lyons,T.R.,(2007)J.Biol.Chem.282(30),21987-21997ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

Images



WB Suggested Anti-SH3RF1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: DU145 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.