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Baiap2 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10183

Product Information

Application	WB
Primary Accession	Q8BKX1
Other Accession	NM_001037755, NP_001032844
Reactivity	Human, Mouse, Rat, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Chicken, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59237

Additional Information

Gene ID	108100
Alias Symbol	IRSp53, R75030
Other Names	Brain-specific angiogenesis inhibitor 1-associated protein 2, BAI-associated protein 2, BAI1-associated protein 2, Insulin receptor substrate protein of 53 kDa, IRSp53, Insulin receptor substrate p53, Insulin receptor tyrosine kinase 53 kDa substrate, Baiap2
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-Baiap2 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	Baiap2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Baiap2 {ECO:0000312|MGI:MGI:2137336}
Function	Adapter protein that links membrane-bound small G proteins to cytoplasmic effector proteins. Necessary for CDC42-mediated reorganization of the actin cytoskeleton and for RAC1-mediated membrane ruffling. Involved in the regulation of the actin cytoskeleton by WASF family members and the Arp2/3 complex. Plays a role in neurite growth, neuronal differentiation and neuronal migration (PubMed:38149472). Acts syngeristically with ENAH to promote filipodia formation. Plays a role in the reorganization of the actin cytoskeleton in response to bacterial infection. Participates in actin bundling when

	associated with EPS8, promoting filopodial protrusions.
Cellular Location	Cytoplasm. Membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9UQB8}. Cell projection, filopodium. Cell projection, ruffle. Cytoplasm, cytoskeleton. Note=Detected throughout the cytoplasm in the absence of specific binding partners Detected in filopodia and close to membrane ruffles. Recruited to actin pedestals that are formed upon infection by bacteria at bacterial attachment sites (By similarity).
Tissue Location	Detected in liver, brain, olfactory bulb, brain, caudate putamen, hypothalamus and cerebellum. Expressed in cerebral cortex (PubMed:12006592, PubMed:38149472)

Images

