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Anti-BAIAP2 / IRSP53 Antibody (aa350-400)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17465

Product Information

Application	WB, IHC-P
Primary Accession	Q9UQB8
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	60868

Additional Information

Gene ID	10458
Alias Symbol	BAIAP2
Other Names	BAIAP2, BAI-associated protein 2, BAI1-associated protein 2, BAP2, FLAF3, Fas ligand-associated factor 3, IRSP53, IRS-58, Protein BAP2, Insulin receptor substrate p53, IRSp53/58
Target/Specificity	Endogenous levels of human, mouse and rat BAIAP2 protein. Positive Control: U251, mouse brain and rat brain.
Reconstitution & Storage	Lyophilized from PBS, pH 7.4, 0.02% sodium azide. Store lyophilized at -20°C. The reconstituted product can be stored for short term at 4 °C or long term at -20 °C or below. Avoid freeze/thaw cycles.
Precautions	Anti-BAIAP2 / IRSP53 Antibody (aa350-400) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BAIAP2 {ECO:0000303|PubMed:10343108, ECO:0000312|HGNC:HGNC:947}
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:41133935). 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 (PubMed:41133935).

Cellular Location	Cytoplasm. Membrane; Peripheral membrane protein. 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
Tissue Location	Isoform 1 and isoform 4 are expressed almost exclusively in brain. Isoform 4 is barely detectable in placenta, prostate and testis. A short isoform is ubiquitous, with the highest expression in liver, prostate, testis and placenta

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