

ARG41490 anti-APBB1IP / RIAM antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes APBB1IP / RIAM
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	APBB1IP / RIAM
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 647-666 of Human APBB1IP / RIAM. (EQDFMSDLMKALQKKRGNVS)
Conjugation	Un-conjugated
Alternate Names	RARP-1; INAG1; Proline-rich EVH1 ligand 1; RARP1; Amyloid beta A4 precursor protein-binding family B member 1-interacting protein; PREL-1; Rap1-GTP-interacting adapter molecule; Proline-rich protein 73; APBB1-interacting protein 1; Retinoic acid-responsive proline-rich protein 1; PREL1; RIAM

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-Fr	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000

Application Note IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size ~ 100 kDa

Properties

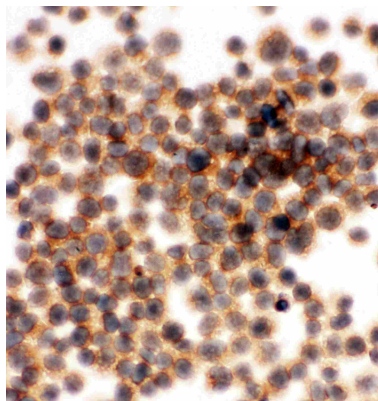
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide

Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

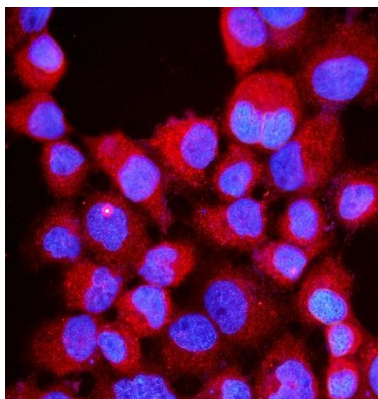
Gene Symbol	APBB1IP
Gene Full Name	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein
Function	Appears to function in the signal transduction from Ras activation to actin cytoskeletal remodeling. Suppresses insulin-induced promoter activities through AP1 and SRE. Mediates Rap1-induced adhesion. [UniProt]
Calculated Mw	73 kDa
Cellular Localization	Cell membrane; Peripheral membrane protein. Cell projection, lamellipodium. Cell junction, focal adhesion. Cytoplasm, cytoskeleton. Note=Colocalizes with ENA/VASP proteins at lamellipodia tips and focal adhesions, and F-actin at the leading edge. At the membrane surface, associates, via the PH domain, preferentially with the inositol phosphates, PtdIns(5)P and PtdIns(3)P. This binding appears to be necessary for the efficient interaction of the RA domain to Ras-GTPases. [UniProt]

Images



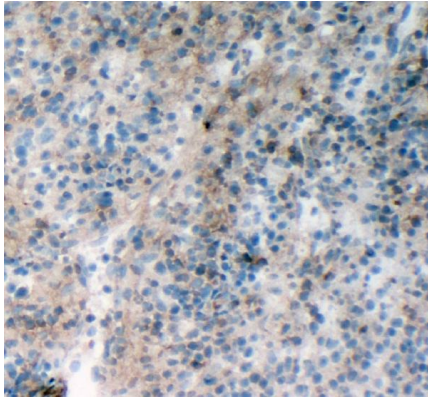
ARG41490 anti-APBB1IP / RIAM antibody ICC image

Immunocytochemistry: Jurkat cells stained with ARG41490 anti-APBB1IP / RIAM antibody.



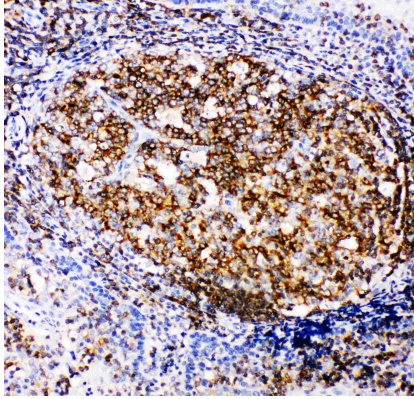
ARG41490 anti-APBB1IP / RIAM antibody ICC/IF image

Immunofluorescence: A431 cells were blocked with 10% goat serum and then stained with ARG41490 anti-APBB1IP / RIAM antibody (red) at 5 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



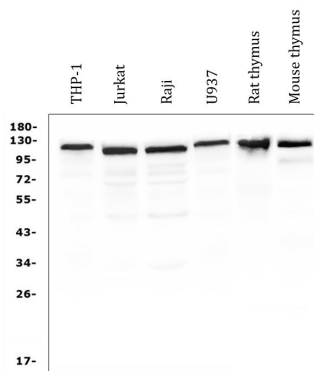
ARG41490 anti-APBB1IP / RIAM antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat spleen tissue. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41490 anti-APBB1IP / RIAM antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



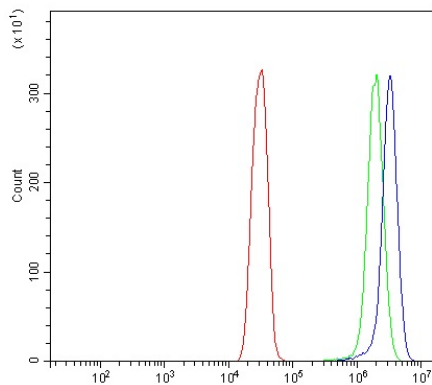
ARG41490 anti-APBB1IP / RIAM antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG41490 anti-APBB1IP / RIAM antibody.



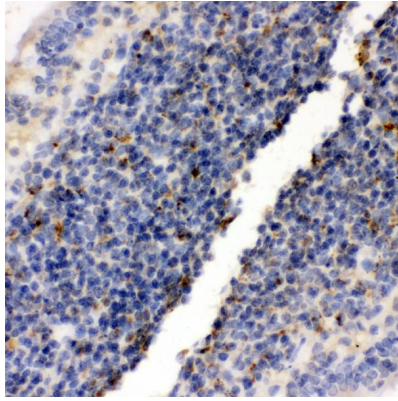
ARG41490 anti-APBB1IP / RIAM antibody WB image

Western blot: 50 μg of samples under reducing conditions. THP-1, Jurkat, Raji, U937, Rat thymus and Mouse thymus lysates stained with ARG41490 anti-APBB1IP / RIAM antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



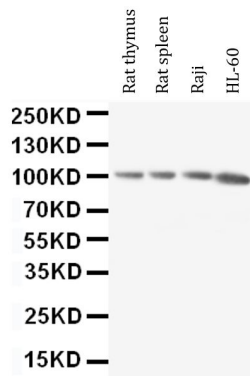
ARG41490 anti-APBB1IP / RIAM antibody FACS image

Flow Cytometry: SiHa cells were blocked with 10% normal goat serum and then stained with ARG41490 anti-APBB1IP / RIAM antibody (blue) at 1 $\mu\text{g}/10^6$ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 $\mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG41490 anti-APBB1IP / RIAM antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat lymphaden tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41490 anti-APBB1IP / RIAM antibody at 1 µg/ml dilution, overnight at 4°C.



ARG41490 anti-APBB1IP / RIAM antibody WB image

Western blot: Rat thymus, Rat spleen, Raji and HL-60 cell lysates stained with ARG41490 anti-APBB1IP / RIAM antibody.