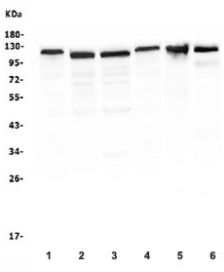
RIAM Antibody (R31063)

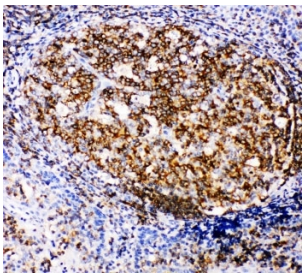
Catalog No.	Formulation	Size
R31063	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

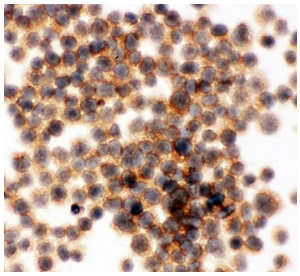
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q7Z5R6
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Immunohistochemistry (Frozen): 0.5-1ug/ml Immunocytochemistry: 0.5-1ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This RIAM antibody is available for research use only.



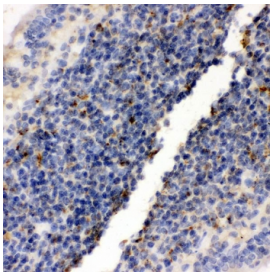
Western blot testing of RIAM antibody and human 1) ThP-1, 2) Jurkat, 3) Raji, 4) U937, 5) rat thymus and 6) mouse thymus lysate. Predicted molecular weight ~73~110 kDa.



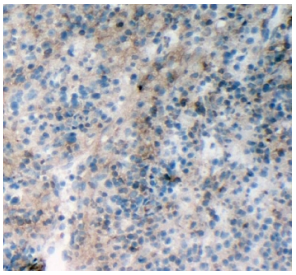
IHC-P: RIAM antibody testing of human tonsil tissue



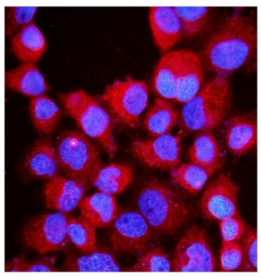
ICC testing of RIAM antibody and Jurkat cells



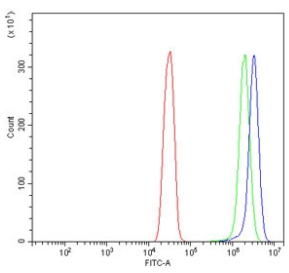
IHC-P: RIAM antibody testing of rat lymph tissue



IHC-F: RIAM antibody testing of rat spleen tissue



Immunofluorescent staining of FFPE human A431 cells with RIAM antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human SiHa cells with RIAM antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RIAM antibody.

Description

RIAM (Rap1-interacting adaptor molecule), also called RARP1 and APBB1-Interacting Protein, is a protein that in humans is encoded by the APBB1IP gene. By genomic sequence analysis, Lafuente et al.(2004) mapped the gene to chromosome 10p12.1. Using promoter-reporter gene assays, Inagaki et al.(2003) found that RIAM suppressed transcription from AP1 and SRE sites, but not CRE sites, in all cell lines examined. The proline-rich regions of RIAM suppressed AP1 transactivation. Lafuente et al.(2004) found that the protein interacted with profilin and VASP, molecules that regulate actin dynamics, as well as with RAP1-GTP.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RIAM antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Rap1-interacting adaptor molecule (EQDFMSDLMKALQKKRGNVS) was used as the immunogen for this RIAM antibody.

Storage

After reconstitution, the RIAM antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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