RAP1A Recombinant antibody

Catalog Number:83708-1-RR

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Basic Information

Catalog Number: 83708-1-RR	**GenBank Accession Number:** BC014086	**Purification Method:** Protein A purfication
Size: 1000 μg/ml	**GeneID (NCBI):** 5906	**CloneNo.:** 240438G5
Source: Rabbit	**UNIPROT ID:** P62834	**Recommended Dilutions:** IF/ICC 1:125-1:500
Isotype: IgG	**Full Name:** RAP1A, member of RAS oncogene family	
Immunogen Catalog Number: AG9488	**Calculated MW:** 184 aa, 21 kDa	

Applications

Tested Applications:
IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse

Positive Controls:
IF/ICC : NIH/3T3 cells,

Background Information

RAP1A(Ras-related protein Rap-1A), also known as KREV1. Induces morphological reversion of a cell line transformed by a Ras oncogene. The biological roles of RAP1A include inducing neurite outgrowth and embryonic angiogenesis(PMID: 17916086). As one member of RAS oncogene family, it is a widely expressed receptor,with high mRNA expression in many tissues, particularly abundant in the colon. In cells, RAP1A was localized in cytoplasm and cell membrane(PMID: 11359771, PMID: 11359771).

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data
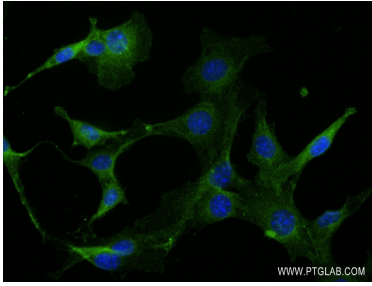
Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using RAP1A antibody (83708-1-RR, Clone: 240438G5) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).
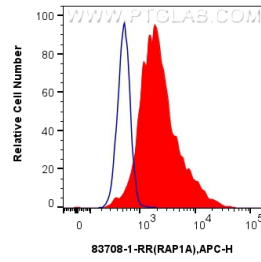
1x10^6 HeLa cells were intracellularly stained with 0.25 ug RAP1A Recombinant antibody (83708-1-RR, Clone:240438G5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).
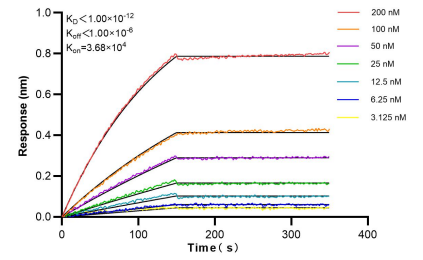
Biolayer interferometry (BLI) kinetic assays of 83708-1-RR against Human RAP1A were performed. The affinity constant is below 1 pM.