ARG45581
anti-APPL1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes APPL1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	APPL1
Species	Human
Immunogen	Recombinant protein containing to human APPL1.
Conjugation	Un-conjugated
Alternate Names	APPL1; Adaptor Protein, Phosphotyrosine Interacting With PH Domain And Leucine Zipper 1; APPL; DCC-Interacting Protein 13-Alpha; Adaptor Protein, Phosphotyrosine Interaction, PH Domain And Leucine Zipper Containing 1; Adapter Protein Containing PH Domain, PTB Domain And Leucine Zipper Motif 1; Dip13-Alpha; Adaptor Protein Containing PH Domain, PTB Domain And Leucine Zipper Motif 1; Signaling Adaptor Protein DIP13alpha; AKT2 Interactor; DIP13alpha; KIAA1428; MODY14; DIP13A

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	2 µg/ml
IHC-P	0.5-1 µg/ml
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	85 kDa

Properties

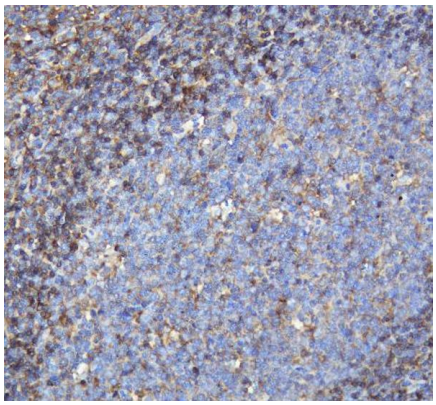
Form	Liquid
Purification	Affinity purified
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose

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

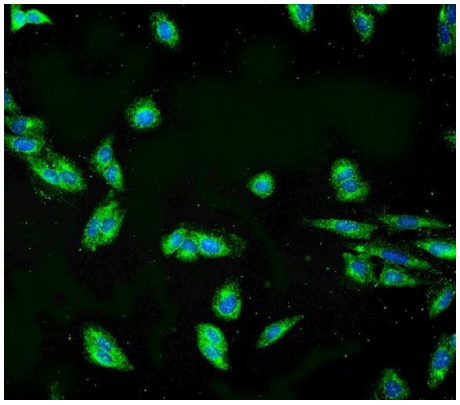
Gene Symbol	APPL1
Gene Full Name	Adaptor Protein, Phosphotyrosine Interacting With PH Domain And Leucine Zipper 1
Background	The protein encoded by this gene has been shown to be involved in the regulation of cell proliferation, and in the crosstalk between the adiponectin signalling and insulin signalling pathways. The encoded protein binds many other proteins, including RAB5A, DCC, AKT2, PIK3CA, adiponectin receptors, and proteins of the NuRD/MeCP1 complex. This protein is found associated with endosomal membranes, but can be released by EGF and translocated to the nucleus. [provided by RefSeq, Jul 2008]
Function	Multifunctional adapter protein that binds to various membrane receptors, nuclear factors and signaling proteins to regulate many processes, such as cell proliferation, immune response, endosomal trafficking and cell metabolism. [UniProt]
Calculated Mw	80 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Cell projection; Cytoplasm; Cytoplasmic vesicle; Endosome; Membrane; Nucleus. [UniProt]

Images



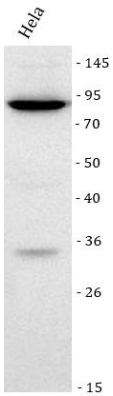
ARG45581 anti-APPL1 antibody IHC-P image

Immunohistochemistry: Human tonsil stained with ARG45581 anti-APPL1 antibody at 1 µg/ml dilution.



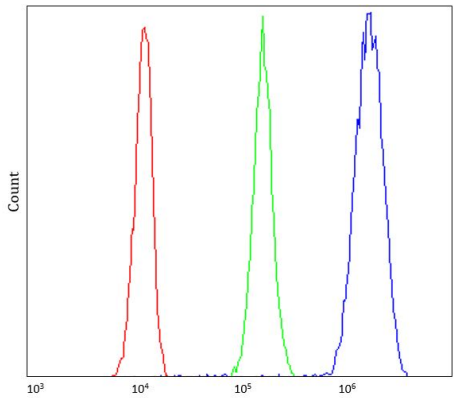
ARG45581 anti-APPL1 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45581 anti-APPL1 antibody at 5 µg/ml dilution.



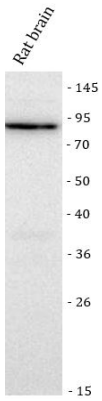
ARG45581 anti-APPL1 antibody WB image

Western blot: Hela stained with ARG45581 anti-APPL1 antibody at 0.5 µg/ml dilution.



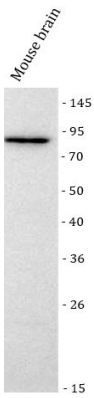
ARG45581 anti-APPL1 antibody FACS image

Flow Cytometry: A549 stained with ARG45581 anti-APPL1 antibody at 1 µg/10^6 cells dilution.



ARG45581 anti-APPL1 antibody WB image

Western blot: Rat brain stained with ARG45581 anti-APPL1 antibody at 0.5 µg/ml dilution.



ARG45581 anti-APPL1 antibody WB image

Western blot: Mouse brain stained with ARG45581 anti-APPL1 antibody at 0.5 µg/ml dilution.