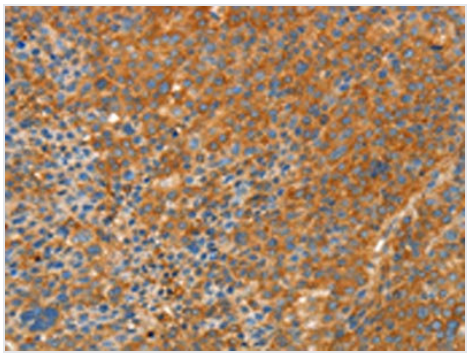
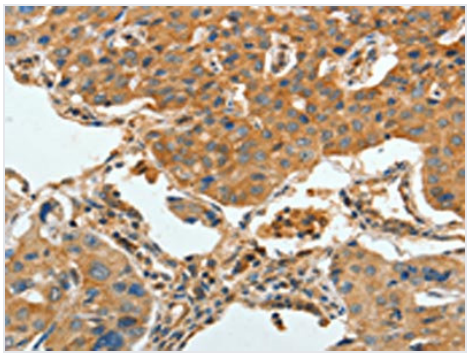
APPL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

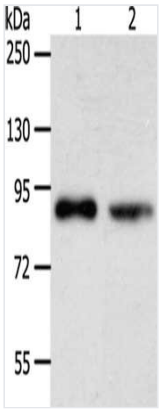
Product Name	APPL1, Polyclonal Antibody
Full Product Name	APPL1 Antibody
Product Gene Name	anti-APPL1 antibody
Product Synonym Names	Adaptor protein; phosphoTyrosine interaction; PH domain and leucine zipper containing 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	79,663 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (57261765..57307499). Location: 3p21.1-p14.3
OMIM	604299
3D Structure	ModBase 3D Structure for Q9UKG1
Immunogen	Fusion protein of human APPL1
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-APPL1 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-APPL1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-APPL1 antibody	ELISA: 1:1000-1:2000 WB: 1:200-1:1000 IHC: 1:25-1:100
Related Product Information for anti-APPL1 antibody	MBS7123380 is an antibody targeting APPL1. Also known as APPL1 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-APPL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-APPL1 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using MBS7123380(APPL1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-APPL1 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using MBS7123380(APPL1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)



SDS-Page of anti-APPL1 antibody
Gel: 10%SDS-PAGE, Lysate: 40 ug, Lane 1-2: SKOV3 cells, K562 cells, Primary antibody: MBS7123380(APPL1 Antibody) at dilution 1/275, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 3 minutes

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APPL1. It may not necessarily be applicable to this product.

NCBI GI #	6912242
NCBI GeneID	26060
NCBI Accession #	NP_036228.1
UniProt Primary Accession #	Q9UKG1
UniProt Secondary Accession #	Q9P2B9
UniProt Related Accession #	Q9UKG1
GenBank Nucleotide #	NM_012096.2
NCBI Official Full Name	DCC-interacting protein 13-alpha
NCBI Official Synonym Full Names	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1
NCBI Official Symbol	APPL1
NCBI Official Synonym Symbols	APPL; DIP13alpha
UniProt Protein Name	DCC-interacting protein 13-alpha
UniProt Synonym Protein Names	Adapter protein containing PH domain, PTB domain and leucine zipper motif 1
Protein Family	DCC-interacting protein

UniProt Gene Name	APPL1
UniProt Synonym Gene Names	APPL; DIP13A; KIAA1428; Dip13-alpha
UniProt Entry Name	DP13A_HUMAN
NCBI Protein Information	DCC-interacting protein 13-alpha; dip13-alpha; AKT2 interactor; signaling adaptor protein DIP13alpha; adapter protein containing PH domain, PTB domain and leucine zipper motif 1; adaptor protein containing pH domain, PTB domain and leucine zipper motif 1
NCBI Summary for APPL1	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]
UniProt Comments for APPL1	APPL: an effector protein of the small GTPase Rab5, a key regulator of endocytosis. Required for the regulation of cell proliferation in response to extracellular signals from an early endosomal compartment. Links Rab5 to nuclear signal transduction. Contains a PH domain and an N-terminal PID domain. Its interaction with RAB5A/Rab5 is essential for its recruitment to endosomal membranes as well as its role in cell proliferation. Binds DCC and the catalytic domain of the inactive form of AKT2 through its PID domain. Binds PIK3CA and subunits of the NuRD/MeCP1 complex. Phosphorylated upon DNA damage. Protein type: Adaptor/scaffold; Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 3p14.3 Cellular Component: early endosome membrane; cytoplasm; endosome membrane; vesicle membrane; NuRD complex; nucleus; cytosol Molecular Function: protein kinase B binding; identical protein binding; protein binding Biological Process: cell proliferation; positive regulation of apoptosis; insulin receptor signaling pathway; regulation of glucose import; cell cycle; signal transduction Disease: Maturity-onset Diabetes Of The Young, Type 14
Research Articles on APPL1	**1.** APPL1 regulates basal NF-kappaB activity by modulating the stability of NIK, which affects the activation of p65.
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