www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

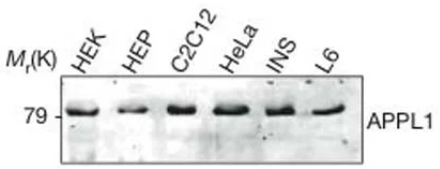
Anti-Adaptor Protein, APPL1 Antibody

Product Details

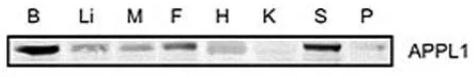
Available Variants	100 µL (SKU:R-1331-100)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Applications	ICC, WB
Dilution Ranges	WB: 1:1000 IP: 3 µg/reaction
Species Reactivity	Human, Mouse
Immunogen	The C-terminus of Human APPL1 protein (amino acids: 455-709) conjugated to GST.
Specificity	This antiserum is known to recognize both mouse and human APPL1.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. At least 12 months after purchase at 2-8°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	Q9UKG1 UniProt Summary: 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. Regulates signaling pathway leading to cell proliferation through interaction with RAB5A and subunits of the NuRD/MeCP1 complex. Functions as a positive regulator of innate immune response via activation of AKT1 signaling pathway by forming a complex with APPL1 and PIK3R1. Inhibits Fc-gamma receptor-mediated phagocytosis through PI3K/Akt signaling in macrophages. Regulates TLR4 signaling in activated macrophages. Involved

	in trafficking of the TGFBR1 from the endosomes to the nucleus via microtubules in a TRAF6-dependent manner. Plays a role in cell metabolism by regulating adiponecting and insulin signaling pathways. Required for fibroblast migration through HGF cell signaling. Positive regulator of beta-catenin/TCF-dependent transcription through direct interaction with RUVBL2/reptin resulting in the relief of RUVBL2-mediated repression of beta-catenin/TCF target genes by modulating the interactions within the beta-catenin-reptin-HDAC complex.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	26060

Product Images



Western Blot showing APPL1 expression in mammalian cells. Lysates from HEK293 (HEK), mouse hepatocytes (HEP), differentiated C2C12 myotubes (C2C12), HeLa, INS1 and L6 cells were separated by SDS-PAGE and examined by western blot using Rabbit polyclonal antibody to human APPL1, catalog number R-1331-100. Image courtesy of Mao X. et al (2006) Nat Cell Biol.



Western blot analysis with Rabbit polyclonal antibody to human APPL1, catalog number R-1331-100. Tissue homogenates of mouse brain (B), liver (Li), muscle (M), fat (F), heart (H), kidney (K), spleen (S) and pancreas (P) were used and 30 µg of protein was loaded in each lane. Image courtesy of Wang C. et al (2009) J Biol Chem.

Created on 31. October 2026 | All information without guarantee