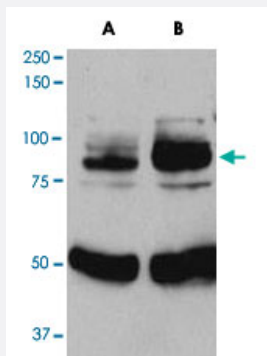


APPL1 polyclonal antibody

Catalog # PAB7191 Size 100 ug

Applications



Western Blot (Cell lysate)

APPL1 polyclonal antibody (Cat # PAB7191) (0.5 ug/mL) staining of A) rat aortic smooth muscle cell lysate B) after infection with human APPL1 adenovirus for 48hrs. Detected by chemiluminescence. Data kindly provided by Dr. L. Jia, Ann Arbor, USA.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of APPL1.

Immunogen A synthetic peptide corresponding to human APPL1.

Sequence C-NRYSRLSKKRENDK

Host Goat

Theoretical MW (kDa) 79.7

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage ELISA (1:64000)
Western Blot (0.3-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

APPL1 polyclonal antibody (Cat # PAB7191) (0.5 ug/mL) staining of A) rat aortic smooth muscle cell lysate B) after infection with human APPL1 adenovirus for 48hrs. Detected by chemiluminescence. Data kindly provided by Dr. L. Jia, Ann Arbor, USA.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — APPL1

Entrez GeneID	26060
Protein Accession#	NP_036228.1
Gene Name	APPL1
Gene Alias	APPL, DIP13alpha
Gene Description	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1
Omim ID	604299
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	AKT2 interactor adaptor protein containing pH domain, PTB domain and leucine zipper motif 1 signaling adaptor protein DIP13alpha

Publication Reference

- [APPL1 binds to adiponectin receptors and mediates adiponectin signalling and function.](#)

Mao X, Kikani CK, Riojas RA, Langlais P, Wang L, Ramos FJ, Fang Q, Christ-Roberts CY, Hong JY, Kim RY, Liu F, Dong LQ.
Nature Cell Biology 2006 May; 8(5):516.

Application: IF, WB-Ce, WB-Ti, Human, Mouse, C2C12, HEK 293, HeLa, INS1, L6 cells, Mouse brain, fat, liver, kidney, heart, hepatocytes, spleen

Pathway

- [Colorectal cancer](#)
- [Pathways in cancer](#)

Disease

- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Prediabetic State](#)