

## Product datasheet for **TA302413**

### APPL (APPL1) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:64,000. WB: 0.3-1 µg/ml.
Reactivity:	Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-NRYSRLSKKRENDK, from the internal region of the protein sequence according to NP_036228.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	83295 Da
Gene Name:	adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 1
Database Link:	<a href="#">NP_036228</a> <a href="#">Entrez Gene 72993 Mouse</a> <a href="#">Entrez Gene 290537 Rat</a> <a href="#">Entrez Gene 484716 Dog</a> <a href="#">Entrez Gene 26060 Human</a> <a href="#">Q9UKG1</a>



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**Background:**

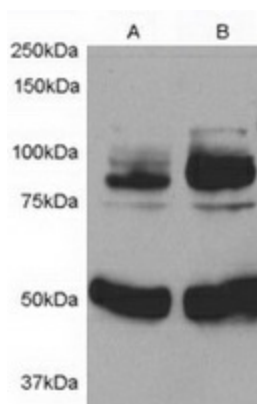
The protein encoded by this gene has been shown to be involved in the regulation of cell proliferation, and in the crosstalk between the adiponectin signalling and insulin signalling pathways. The encoded protein binds many other proteins, including RAB5A, DCC, AKT2, PIK3CA, adiponectin receptors, and 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]

**Synonyms:**

APPL; DIP13alpha; MODY14

**Protein Pathways:**

Colorectal cancer, Pathways in cancer

**Product images:**

TA302413 (0.5ug/ml) staining of 1) Rat Aortic Smooth Muscle cell lysate 2) after infection with Human APPL1 adenovirus for 48hrs. Detected by chemiluminescence. Data kindly provided by Dr. L. Jia, Ann Arbor, USA.