

Product datasheet for **TA302419**

ACTR1A Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, PEP-ELISA, WB
Recommended Dilution:	ELISA: 1:1,000. WB: 1-3µg/ml.
Reactivity:	Human (Expected from sequence similarity: Mouse, Dog, Pig)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-YEEDGARSIHRT, from the C Terminus of the protein sequence according to NP_005727.1.
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:	46240 Da
Gene Name:	ARP1 actin-related protein 1 homolog A, contractin alpha
Database Link:	NP_005727 Entrez Gene 54130 Mouse Entrez Gene 403791 Dog Entrez Gene 10121 Human P61163



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Background:

This gene encodes a 42.6 kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 8-13 copies per dynactin molecule, and is the most abundant molecule in the dynactin complex. It is an actin-related protein, and is approximately 60% identical at the amino acid level to conventional actin. [provided by RefSeq]

Synonyms:

ARP1; Arp1A; CTRN1

Product images:

TA302419 staining (2ug/ml) of human kidney lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.