

Product datasheet for **TA319505**

ATAD5 Rabbit Polyclonal Antibody

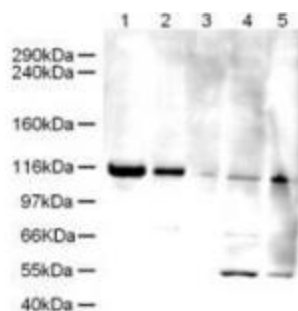
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:3,000 - 1:15,000, WB: 1:500 - 1:2,000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 63-76 of Human Elg 1.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ATPase family, AAA domain containing 5
Database Link:	NP_079133 Entrez Gene 79915 Human Q96QE3
Synonyms:	C17orf41; ELG1; FRAG1
Note:	ELG1 (also known as ATP(GTP)-binding protein or Chromosome fragility associated gene 1) is involved in a novel RFC complex that is probably involved in DNA damage and repair by ensuring replication fidelity. This antibody detects a band at about 120kDa in Hela, A431, Jurkat and HEK193 cells. This corresponds to the band size seen in Kanellis P et al. It remains unclear why the band size detected is much less than the 207kDa predicted in the protein sequence corresponding to CACC44537.2 (Q96QE3), but as our results correspond to those seen in Kanellis P et al. it is likely that the 120 kDa target is ELG1.



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Product images:



WB using Anti-Elg1 antibody shows detection of a band ~120 kDa corresponding to human Elg1 (arrowhead) in various cell lysates. Lanes contain ~5 ug of HeLa nuclear extract (1), HeLa (2), A431 (3), Jurkat (4) and HEK293 (5) whole cell lysates. Primary antibody was used at 1:500. The expected molecular weight of Elg1 is 120kDa according to Kanellis P et al. 2003. The 50kD bands in Jurkat and 293 cell lysates are probably cross-reaction with other proteins.