

Datasheet for ABIN129617
anti-ATAD5 antibody (AA 63-76)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ATAD5
Binding Specificity:	AA 63-76
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATAD5 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

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.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	ATAD5
Alternative Name:	ELG-1 (ATAD5 Products)
Background:	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

Target Details

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.

Synonyms: ATP(GTP)-binding protein, Chromosome fragility associated gene

Gene ID: 79915, 21615526

UniProt: [Q96QE3](#)

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 120 kDa in size corresponding to Elg1 by western blotting in the appropriate cell lysate or extract.

Restrictions: For Research Use only

Handling

Format: Liquid

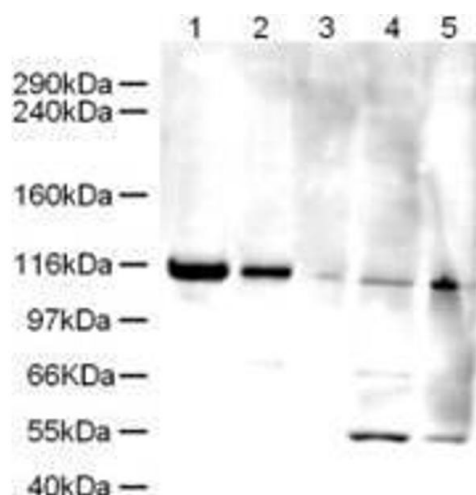
Concentration: 0.50 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C



Western Blotting

Image 1. Western blot using Affinity Purified anti-Elg1 antibody shows detection of a band ~120 kDa corresponding to human Elg1 (arrowhead) in various cell lysates. Lanes contain ~ 5 µg of HeLa nuclear extract (1), HeLa (2), A431 (3), Jurkat (4) and HEK293 (5) whole cell lysates. After SDS-PAGE, transfer and blocking, the membrane was probed with the primary antibody diluted to 1:500. The membrane was then washed and reacted with a HRP conjugated Gt-a-Rabbit IgG [H&L] MX followed by ECL detection using a 2 min exposure time. The expected molecular weight of Elg1 is 120kDa according to Kanellis P et al. 2003, although the predicted molecular weight is 207 kDa. The 50kD bands in Jurkat and 293 cell lysates are probably cross-reaction with other proteins. Both the 120 kDa and 50 kDa bands are not observed when antibody is pre-incubated with peptide (data not shown).