

## Product datasheet for **TA338840**

### GRPEL2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GRPEL2 antibody: synthetic peptide directed towards the middle region of human GRPEL2. Synthetic peptide located within the following region: HEHELICHVPAGVGVQPGTVALVRQDGYKLGRTIRLARVEVAVESQRRL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25 kDa
Gene Name:	GrpE like 2, mitochondrial
Database Link:	<a href="#">NP_689620</a> <a href="#">Entrez Gene 134266 Human</a> <a href="#">Q8TAA5</a>



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**Background:**

GRPEL2 is an essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. GRPEL2 seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins. GRPEL2 stimulates ATPase activity of mt-HSP70. GRPEL2 may also serve to modulate the interconversion of oligomeric (inactive) and monomeric (active) forms of mt-HSP70.

**Synonyms:**

Mt-GrpE#2

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Bovine: 93%; Zebrafish: 79%

**Product images:**

WB Suggested Anti-GRPEL2 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive  
Control: Human heart