

# Datasheet for ABIN630999

## anti-GRPEL2 antibody





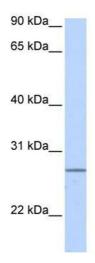
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Overview		
Quantity:	100 μL	
Target:	GRPEL2	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This GRPEL2 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	GRPEL2 antibody was raised using a synthetic peptide corresponding to a region with amino acids HEHELICHVPAGVGVQPGTVALVRQDGYKLHGRTIRLARVEVAVESQRRL	
Purification:	Affinity purified	
Target Details		
Target:	GRPEL2	
Alternative Name:	GRPEL2 (GRPEL2 Products)	
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	

#### **Target Details**

	(inactive) and monomeric (active) forms of mt-HSP70.
Molecular Weight:	25 kDa (MW of target protein)
Application Details	
Application Notes:	WB: 1 μg/mL
	Optimal conditions should be determined by the investigator.
Comment:	GRPEL2 Blocking Peptide, catalog no. 33R-3717, is also available for use as a blocking control
	in assays to test for specificity of this GRPEL2 antibody
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of GRPEL2 antibody in
	PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

### **Images**



#### **Western Blotting**

**Image 1.** GRPEL2 antibody used at 1 ug/ml to detect target protein.