

## Product datasheet for **TA339235**

### PACS2 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-PACS2 antibody: synthetic peptide directed towards the middle region of human PACS2. Synthetic peptide located within the following region: AHQLPIAEAMLTYKQKSPDEESSQKFIPFVGWVKVIVGIVEPSSATSGDSDD
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:	98 kDa
Gene Name:	phosphofurin acidic cluster sorting protein 2
Database Link:	<a href="#">NP_056012</a> <a href="#">Entrez Gene 23241 Human</a> <a href="#">Q86VP3</a>



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**Background:** PACS2 is the multifunctional sorting protein that controls the endoplasmic reticulum (ER)-mitochondria communication, including the apposition of mitochondria with the ER and ER homeostasis. In addition, in response to apoptic inducer, PACS2 translocates BIB to mitochondria, which initiates a sequence of events including the formation of mitochondrial truncated BID, the release of cytochrome c, the activation of caspase-3 thereby causing cell death. PACS2 may also be involved in ion channel trafficking, directing acidic cluster-containing ion channels to distinct subcellular compartments.

**Synonyms:** PACS-2; PACS1L

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Zebrafish: 86%

### Product images:



WB Suggested Anti-PACS2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: A549 cell lysate