



# WIPI2 (phospho-Ser413) rabbit pAb

|                           |                                                                                                                                                                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-10417                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                        |
| <b>Reactivity</b>         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>       | WB                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>          | WIPI2 CGI-50                                                                                                                                                                                                                                                                                               |
| <b>Protein Name</b>       | WIPI2 (Ser413)                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>          | Synthesized phosho peptide around human WIPI2 (Ser413)                                                                                                                                                                                                                                                     |
| <b>Specificity</b>        | This antibody detects endogenous levels of Human Mouse Rat WIPI2 (phospho-Ser413)                                                                                                                                                                                                                          |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                    |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                  |
| <b>Dilution</b>           | WB 1:1000-2000                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                       |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>           | WD repeat domain phosphoinositide-interacting protein 2 (WIPI-2) (WIPI49-like protein 2)                                                                                                                                                                                                                   |
| <b>Observed Band</b>      | 49kD                                                                                                                                                                                                                                                                                                       |
| <b>Cell Pathway</b>       | Preautophagosomal structure membrane ; Peripheral membrane protein ; Cytoplasmic side . Localizes to omegasomes membranes which are endoplasmic reticulum connected structures at the origin of preautophagosomal structures. Enriched at preautophagosomal structure membranes in response to PtdIns3P. . |
| <b>Tissue Specificity</b> | Ubiquitously expressed (at protein level). Highly expressed in heart, skeletal muscle and pancreas. Expression is down-regulated in pancreatic and in kidney tumors.                                                                                                                                       |
| <b>Function</b>           | similarity:Contains 3 WD repeats.,tissue specificity:Ubiquitously expressed. Highly expressed in heart, skeletal muscle and pancreas. Expression is down-regulated in pancreatic and in kidney tumors.,                                                                                                    |
| <b>Background</b>         | WD repeat domain, phosphoinositide interacting 2(WIPI2) Homo sapiens WD40 repeat proteins are key components of many essential biologic functions. They regulate the assembly of multiprotein complexes by presenting a beta-propeller platform for simultaneous and reversible protein-protein            |

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interactions. Members of the WIPI subfamily of WD40 repeat proteins, such as WIPI2, have a 7-bladed propeller structure and contain a conserved motif for interaction with phospholipids (Proikas-Cezanne et al., 2004 [PubMed 15602573]).[supplied by OMIM, Mar 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images