

WIPI2 (Phospho Ser413) rabbit pAb

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| Catalog No : | YP1552 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB |
| Target : | WIPI2 |
| Fields : | >>Autophagy - other;>>Autophagy - animal;>>Alzheimer disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Spinocerebellar ataxia;>>Pathways of neurodegeneration - multiple diseases;>>Shigellosis |
| Gene Name : | WIPI2 CGI-50 |
| Protein Name : | WIPI2 (Ser413) |
| Human Gene Id : | 26100 |
| Human Swiss Prot No : | Q9Y4P8 |
| Mouse Gene Id : | 74781 |
| Mouse Swiss Prot No : | Q80W47 |
| Rat Gene Id : | 288498 |
| Rat Swiss Prot No : | Q6AY57 |
| Immunogen : | Synthesized phospho peptide around human WIPI2 (Ser413) |
| Specificity : | This antibody detects endogenous levels of Human Mouse Rat WIPI2 (phospho-Ser413) |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:1000-2000 |

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| Purification : | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 49kD |
| Background : | 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 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], |
| Function : | 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., |
| Subcellular Location : | 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. . |
| Expression : | Ubiquitously expressed (at protein level). Highly expressed in heart, skeletal muscle and pancreas. Expression is down-regulated in pancreatic and in kidney tumors. |

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