

## WIPI2 (Phospho Ser413) rabbit pAb

<b>Catalog No :</b>	YP1552
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	WIPI2
<b>Fields :</b>	>>Autophagy - other;>>Autophagy - animal;>>Alzheimer disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Spinocerebellar ataxia;>>Pathways of neurodegeneration - multiple diseases;>>Shigellosis
<b>Gene Name :</b>	WIPI2 CGI-50
<b>Protein Name :</b>	WIPI2 (Ser413)
<b>Human Gene Id :</b>	26100
<b>Human Swiss Prot No :</b>	Q9Y4P8
<b>Mouse Gene Id :</b>	74781
<b>Mouse Swiss Prot No :</b>	Q80W47
<b>Rat Gene Id :</b>	288498
<b>Rat Swiss Prot No :</b>	Q6AY57
<b>Immunogen :</b>	Synthesized phospho 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>Dilution :</b>	WB 1:1000-2000

<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	49kD
<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 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],
<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>Subcellular Location :</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>Expression :</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>Sort :</b>	24298
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

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