Best Tools for immunology Research

WIPI2 (Phospho Ser413) rabbit pAb

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 phosho 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

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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