FAK (Phospho Ser722) Rabbit pAb

CatalogNo: YP1601 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,ELISA

MW
- 125kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000
ELISA 1:5000-20000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human FAK (Phospho Ser722)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat FAK (Phospho Ser722).The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):YPsPR

Target Information

Gene name PTK2 FAK FAK1

Protein Name FAK (Phospho Ser722)

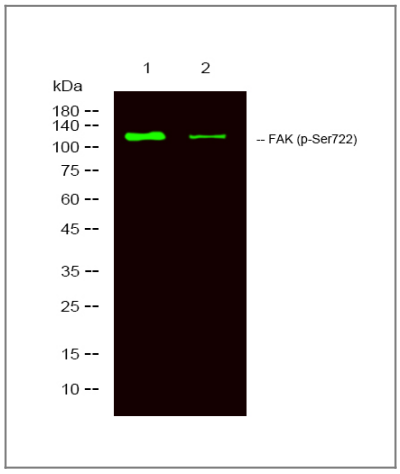
Organism	Gene ID	UniProt ID
Human	5747;	Q05397;
Mouse	14083;	P34152;
Rat	25614;	O35346;

Cellular Localization Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cell cortex. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Nucleus. Cytoplasm, cytoskeleton, cilium basal body . Constituent of focal adhesions. Detected at microtubules.

Tissue specificity Detected in B and T-lymphocytes. Isoform 1 and isoform 6 are detected in lung fibroblasts (at protein level). Ubiquitous. Expressed in epithelial cells (at protein level) (PubMed:31630787).

Function microtubule cytoskeleton organization, cell morphogenesis, cell morphogenesis involved in differentiation,angiogenesis, blood vessel development, vasculogenesis, neuron migration, vasculature development, protein complex assembly, protein amino acid phosphorylation, phosphorus metabolic process, phosphate metabolic process,cell motion, cytoskeleton organization, microtubule-based process, cell surface receptor linked signal transduction,enzyme linked receptor protein signaling pathway, transmembrane receptor protein tyrosine kinase signaling pathway, signal complex assembly, integrin-mediated signaling pathway, cell-cell signaling, synaptic transmission,axonogenesis, negative regulation of cell development, regulation of cell morphogenesis involved in differentiation,regulation of neuron projection development, phosphorylation, cell migration, transmission of nerve impulse, central nervous system neuron differentiation, central nervous system neuron development, central nervous system neuron axonogenesis, regulation of cell morphogenesis, cell projection organization, neuron differentiation, extracellular matrix organization, neuron projection development, regulation of cell projection organization, negative regulation of cell projection organization, cellular component morphogenesis, cell part morphogenesis, cellular macromolecular complex subunit organization, cellular macromolecular complex assembly, regulation of growth, establishment of nucleus localization, extracellular structure organization, endothelial cell migration, cellular protein complex assembly,macromolecular complex subunit organization, regulation of cellular component biogenesis, negative regulation of cell differentiation, regulation of neuron differentiation, negative regulation of growth, regulation of organ growth,negative regulation of organ growth, protein amino acid autophosphorylation, blood vessel morphogenesis, neuron development, cell morphogenesis involved in neuron differentiation, neuron projection morphogenesis, cell projection morphogenesis, cell motility, regulation of neurogenesis, negative regulation of neurogenesis, regulation of axonogenesis, negative regulation of axonogenesis, regulation of synapse structure and activity, regulation of synapse organization, neurological system process, negative regulation of cellular component organization, organelle localization, nucleus localization, establishment of organelle localization, localization of cell, regulation of nervous system development, negative regulation of nervous system development, regulation of synaptogenesis, negative regulation of synaptogenesis, regulation of cell development, macromolecular complex assembly, protein complex biogenesis,

Validation Data



Western Blot analysis of 1 MCF-7 treated with LPS, 2 MCF7,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000

Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
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