

FAK(Phospho Y576+Y577)(1T3) Rabbit Monoclonal Antibody



产品详情

产品货号	产品名称	储存条件	保质期
IM37148	FAK(Phospho Y576+Y577) (1T3)Rabbit Monoclonal Antibody	-20℃	1年

产品概述:

产品货号	IM37148
别名	FADK;FAK1;FRNK;p125FAK;pp125FAK;PPP1R71;Ptk2
产品名称	FAK(Phospho Y576+Y577) (1T3)Rabbit Monoclonal Antibody
纯度	Affinity-chromatography
类别	抗体产品
基因名称	PTK2
蛋白名称	FAK, FAK1
推荐应用	WB
反应种属	Human, Mouse
存储缓冲液	Supplied in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Human Gene ID	5747
Human Swissprot No.	Q05397
免疫原	A synthetic phosphopeptide corresponding to residues surrounding Tyr576/Tyr577 of human FAK.

稀释度	WB 1:5000-1:50000
参考分子量	125kDa
预测分子量	119kDa
运输及保存条件	Biological ice bag transportation. Store at -20°C for at least 12 months (Do not lower than 25°C). Avoid freeze/thaw cycles.
宿主	Rabbit
同种型	IgG
注意事项	Phospho-FAK (Y576 + Y577) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
组织表达	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).
细胞定位	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 Note=Constituent of focal adhesions. Detected at microtubules.
功能	Non-receptor protein-tyrosine kinase that plays an essential role in regulating cell migration, adhesion, spreading, reorganization of the actin cytoskeleton, formation and disassembly of focal adhesions and cell protrusions, cell cycle progression, cell proliferation and apoptosis. Required for early embryonic development and placenta development. Required for embryonic angiogenesis, normal cardiomyocyte migration and proliferation, and normal heart development. Regulates axon growth and neuronal cell migration, axon branching and synapse formation; required for normal development of

<p style="text-align: center;">功能</p>	<p>the nervous system. Plays a role in osteogenesis and differentiation of osteoblasts. Functions in integrin signal transduction, but also in signaling downstream of numerous growth factor receptors, G-protein coupled receptors (GPCR), EPHA2, netrin receptors and LDL receptors. Forms multisubunit signaling complexes with SRC and SRC family members upon activation; this leads to the phosphorylation of additional tyrosine residues, creating binding sites for scaffold proteins, effectors and substrates. Regulates numerous signaling pathways. Promotes activation of MAPK1/ERK2, MAPK3/ERK1 and the MAP kinase signaling cascade. Promotes localized and transient activation of guanine nucleotide exchange factors (GEFs) and GTPase-activating proteins (GAPs), and thereby modulates the activity of Rho family GTPases. Signaling via CAS family members mediates activation of RAC1. Recruits the ubiquitin ligase MDM2 to P53/TP53 in the nucleus, and thereby regulates P53/TP53 activity, P53/TP53 ubiquitination and proteasomal degradation. Phosphorylates SRC; this increases SRC kinase activity. Phosphorylates ACTN1, ARHGEF7, GRB7, RET and WASL. Promotes phosphorylation of PXN and STAT1; most likely PXN and STAT1 are phosphorylated by a SRC family kinase that is recruited to autophosphorylated PTK2/FAK1, rather than by PTK2/FAK1 itself. Promotes phosphorylation of BCAR1; GIT2 and SHC1; this requires both SRC and PTK2/FAK1. Promotes phosphorylation of BMX and PIK3R1. Isoform 6 (FRNK) does not contain a kinase domain and inhibits PTK2/FAK1 phosphorylation and signaling. Its enhanced expression can attenuate the nuclear accumulation of LPXN and limit its ability to enhance serum response factor (SRF)-dependent gene transcription.</p>
<p style="text-align: center;">Clonality</p>	<p>Monoclonal</p>

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