

Fyn (YD14410) Rabbit mAb

货号: **AYD12480**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC-P FC IP
推荐浓度	
理论分子量	61kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Cytoplasm, Nucleus, Cell membrane, Perikaryon
纯化	

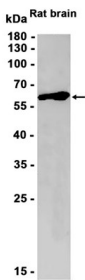
抗原信息

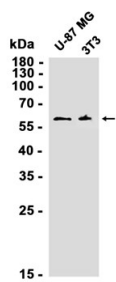
抗原信息	
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靶点信息

研究背景	<p>Non-receptor tyrosine-protein kinase that plays a role in many biological processes including regulation of cell growth and survival, cell adhesion, integrin-mediated signaling, cytoskeletal remodeling, cell motility, immune response and axon guidance (PubMed:12218089, PubMed:12526739, PubMed:12640114, PubMed:12681493, PubMed:14999081, PubMed:8007959). Inactive FYN is phosphorylated on its C-terminal tail within the catalytic domain (By similarity). Following activation by PKA, the protein subsequently associates with PTK2/FAK1, allowing PTK2/FAK1 phosphorylation, activation and targeting to focal adhesions (By similarity). Involved in the regulation of cell adhesion and motility through phosphorylation of CTNNB1 (beta-catenin) and CTNND1 (delta-catenin) (PubMed:12640114). Regulates cytoskeletal remodeling by phosphorylating several proteins including the actin regulator WAS and the microtubule-associated proteins MAP2 and MAPT (By similarity). Promotes cell survival by phosphorylating AGAP2/PIKE-A and preventing its apoptotic cleavage (By similarity). Participates in signal transduction pathways that regulate the integrity of the glomerular slit diaphragm (an essential part of the glomerular filter of the kidney) by phosphorylating several slit diaphragm components including NPHS1, KIRREL1 and TRPC6 (By similarity). Plays a role in neural processes by phosphorylating DPYSL2, a multifunctional adapter protein within the central nervous system, ARHGAP32, a regulator for Rho family GTPases implicated in various neural functions, and S NCA, a small pre-synaptic protein (By similarity). Involved in reelin signaling by mediating phosphorylation of DAB1 following reelin (RELN)-binding to its receptor (PubMed:12526739). Participates in the downstream signaling pathways that lead to T-cell differentiation and proliferation following T-cell receptor (TCR) stimulation (By similarity). Phosphorylates PTK2B/PYK2 in response to T-cell receptor activation (By similarity). Also participates in negative feedback regulation of TCR signaling through phosphorylation of PAG1 and PDCD1 (By similarity). Phosphorylation of PAG1 promotes interaction between PAG1 and CSK and recruitment of CSK to lipid rafts (By similarity). Phosphorylation of PDCD1 leads to the recruitment of PTPN11/SHP-2 that mediates dephosphorylation of key TCR proximal signaling molecules (By similarity). CSK maintains LCK and FYN in an inactive form (PubMed:12218089). Promotes CD28-induced phosphorylation of VAV1 (By similarity). In mast cells, phosphorylates CLNK after activation of immunoglobulin epsilon receptor signaling (PubMed:12681493). Can also promote CD244-mediated NK cell activation (By similarity)</p>
基因ID	14360
基因名	Fyn
Swiss	P39688
别名	Fyn (YD14410)

产品验证





实验步骤

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