

兔抗 PTK2B(Ab-579) 多克隆抗体

中文名称：兔抗 PTK2B(Ab-579) 多克隆抗体

英文名称： Anti-PTK2B(Ab-579) rabbit polyclonal antibody

别名： PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK

储存： 冷冻（-20℃） 避光

抗原： PTK2B(Ab-579)

宿主： Rabbit

反应种属： Human Mouse

相关类别： 一抗

标记物： Unconjugate

克隆类型： Unconjugate

技术规格

Background:

Non-receptor protein-tyrosine kinase that regulates reorganization of the actin cytoskeleton, cell polarization, cell migration, adhesion, spreading and bone remodeling. Plays a role in the regulation of the humoral immune response, and is required for normal levels of marginal B-cells in the spleen and normal migration of splenic B-cells. Required for normal macrophage polarization and migration towards sites of inflammation. Regulates cytoskeleton rearrangement and cell spreading in T-cells, and contributes to the regulation of T-cell responses. Promotes osteoclastic bone r

	<p>esorption; this requires both PTK2B/PYK2 and SRC. May inhibit differentiation and activity of osteoprogenitor cells. Functions in signaling downstream of integrin and collagen receptors, immune receptors, G-protein coupled receptors (GPCR), cytokine, chemokine and growth factor receptors, and mediates responses to cellular stress. 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 phosphatidylinositol 3-kinase and of the AKT1 signaling cascade. Promotes activation of NOS3. Regulates production of the cellular messenger cGMP. Promotes activation of the MAP kinase signaling cascade, including activation of MAPK1/ERK2, MAPK3/ERK1 and MAPK8/JNK1. Promotes activation of Rho family GTPases, such as RHOA and RAC1. Recruits the ubiquitin ligase MDM2 to P53/TP53 in the nucleus, and thereby regulates P53/TP53 activity, P53/TP53 ubiquitination and proteasomal degradation. Acts as a scaffold, binding to both PDK1 and SRC, thereby allowing SRC to phosphorylate PDK1 at 'Tyr-9', 'Tyr-373', and 'Tyr-376'. Promotes phosphorylation of NMDA receptors by SRC family members, and thereby contributes to the regulation of NMDA receptor ion channel activity and intracellular Ca²⁺ levels. May also regulate potassium ion transport by phosphorylation of potassium channel subunits. Phosphorylates SRC; this increases SRC kinase activity. Phosphorylates ASAP1, NPHP1, KCNA2 and SHC1. Promotes phosphorylation of ASAP2, RHOU and PXN; this requires both SRC and PTK2/PYK2.</p>
Applications:	WB
Name of antibody:	PTK2B(Ab-579)
Immunogen:	Synthesized non-phosphopeptide derived from human PYK2 around the phosphorylation site of tyrosine 579 (E-D-Y(p)-Y-K).
Full name:	protein tyrosine kinase 2 beta
Synonyms :	PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK
SwissProt:	Q14289

WB Predicted band size:	116 kDa
WB Positive control:	NIH/3T3 cells lysate
WB Recommended dilution:	500-3000

