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Anti-PYK2 (Tyr-402), Phosphospecific Antibody

Catalog # AN1929

Product Information

Application	WB
Primary Accession	Q14289
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Clone Names	M269
Calculated MW	115875

Additional Information

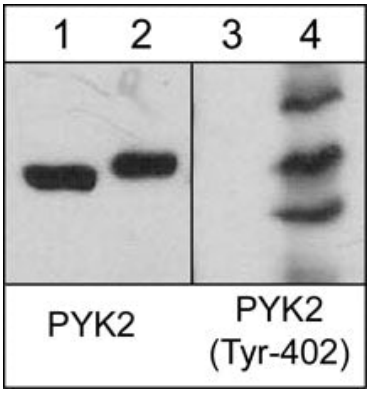
Gene ID	2185
Other Names	CAKbeta, FAK2
Dilution	WB~~1:1000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-PYK2 (Tyr-402), Phosphospecific Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Protein tyrosine kinase, Pyk2 (CAKb, RAFTK, CADTK), is a nonreceptor tyrosine kinase structurally related to focal adhesion kinase (FAK). Pyk2 is predominantly expressed in cells derived from hematopoietic lineages and in the central nervous system. Pyk2 is one of the signaling mediators for the G-protein-coupled receptors and MAP kinase signaling pathway. It plays an important role in cell spreading and migration of various cell types. In T-cells, Pyk2 is tyrosine phosphorylated and activated upon ligation of TCR. Phosphorylation of Tyr-402 is required for the phosphorylation of other tyrosines in Pyk2 and provides a binding site for Fyn SH2 during T-cell activation.

Images

Western blot analysis of human Jurkat cells untreated (lanes 1 & 3) or treated with pervanadate (1 mM) for 30 min. (lanes 2 & 4). The blot was probed with anti-PYK2 (C-terminal region) antibody (lanes 1 & 2) or anti-PYK2 (Tyr-402) (lanes 3 & 4).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.