

## Product datasheet for **TA389200**

### Phospho-PTK2B Mouse Antibody [Clone ID: M269]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M269
Applications:	WB
Recommended Dilution:	<b>WB:</b> 1:1000
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone M269 was generated from a phosphopeptide containing amino acids surrounding tyrosine 402 in human PYK2. This sequence is conserved in rat and mouse PYK2, and has significant homology to the conserved site in FAK.
Specificity:	The antibody detects a 116 kDa* band corresponding to PYK2 on SDS-PAGE immunoblots of human A431, Jurkat and K562 cells treated with pervanadate, but is not observed in control, untreated cells.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	116
Database Link:	<a href="#">Q14289</a>



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**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.

**Note:**

Protein G purified tissue culture supernatant.