

Product datasheet for **AM00130PU-N**

PYK2 (PTK2B) pTyr402 Mouse Monoclonal Antibody [Clone ID: 14F6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	14F6
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. ELISA: 0.05 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH
Specificity:	This antibody specifically interacts with activated Pyk2/CAK β phosphorylated at tyrosine 402. The antibody does not crossreact with the non-phosphorylated form of Pyk2/CAK β nor with unrelated phosphorylation sites.
Formulation:	1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose State: Purified State: Lyophilized purified IgG
Reconstitution Method:	Restore with 1 ml H ₂ O (15 min, RT).
Purification:	Size exclusion chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine kinase 2 beta
Database Link:	Entrez Gene 2185 Human Q14289



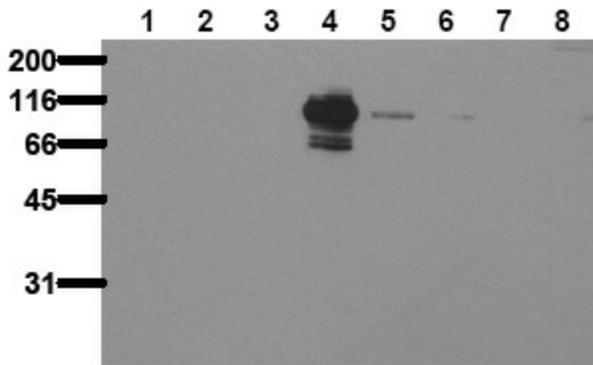
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Background: Proline-rich tyrosine kinase 2 (Pyk2; also known as cellular adhesion kinase β , CAK β) is a 116 kDa cytoplasmic tyrosine kinase. Pyk2 is rapidly phosphorylated on tyrosine residues in response to activation by G-protein-coupled receptors as well as stress signals. Phosphorylation of Pyk2 leads to activation of stress-activated kinase 1 and 2 (SAPK1 and SAPK2).

Synonyms: PYK2, RAFTK, Protein tyrosine kinase 2 beta, Focal adhesion kinase 2, CAK-beta, CADTK

Note: Molecular Weight: 116kDa
Epitope: phosphotyrosine 402 S D I pY A E I

Product images:



Transactivation of PYK2 Whole cell lysates of serum starved HepG2 tumor cells (20,000 cells per lane) were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab PYK2-14F6 (0.5 ug/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). lane 1:Co; lane 2: serum; lane 3: EGF; lane 4: H2O2;lane 5: Anisomycin; lane 6: Sorbit; lane 7: Arsen; lane 8:Ceramide.