

## Product datasheet for **AP06408PU-M**

### **PYK2 (PTK2B) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 360-418 of Human TFDP1.
Specificity:	This antibody detects endogenous levels of PYK2 protein. (region surrounding Ile574)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 115 kDa
Gene Name:	protein tyrosine kinase 2 beta
Database Link:	<a href="#">Entrez Gene 2185 Human Q14289</a>

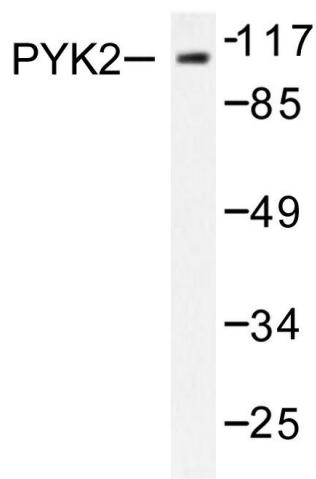


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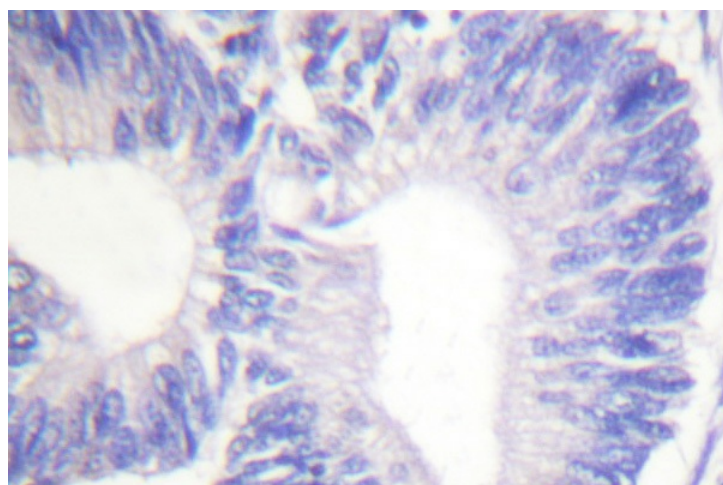
**Background:** Pyk2 is a protein tyrosine kinase related to Focal Adhesion Kinase (p125 FAK). Pyk2 is highly expressed in the central nervous system. It is phosphorylated on tyrosine residues in response to various stimuli that elevate intracellular calcium concentration, as well as by protein kinase C activation.

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

**Product images:**



Western blot (WB) analysis of PYK2 antibody in extracts from K562 cells treated with UV 15' or COS7 cells treated with Adriamycin 0.5ng/ml 24h.



Immunohistochemistry (IHC) analyzes of PYK2 antibody in paraffin-embedded human brain colon carcinoma tissue.