

Store at -20°C
#3090

Pyk2 (H364) Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M	Endogenous	116	Rabbit	#Q14289	2185

Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	Pyk2 (H364) Antibody detects endogenous levels of total Pyk2 protein. This antibody does not cross-react with other related proteins.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding His364 of human Pyk2. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Protein tyrosine kinase Pyk2, also called CAK β , RAFTK and CADTK, is a nonreceptor tyrosine kinase structurally related to focal adhesion kinase (FAK) (1-4). 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 (5-7).	
Background References	1. Avraham, S. et al. (1995) <i>J. Biol. Chem.</i> 270, 27742-27751. 2. Lev, S. et al. (1995) <i>Nature</i> 376, 737-745. 3. Sasaki, H. et al. (1995) <i>J. Biol. Chem.</i> 270, 21206-21219. 4. Yu, H. et al. (1996) <i>J. Biol. Chem.</i> 271, 29993-29998. 5. Duong, L.T. et al. (2001) <i>J Biol Chem</i> 276, 7484-92. 6. Watson, J.M. et al. (2001) <i>J Biol Chem</i> 276, 3536-42. 7. Tang, H. et al. (2002) <i>J Biol Chem</i> 277, 5441-7.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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