

Pyk2 (H364) Antibody



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H	Endogenous	116	Rabbit	#Q14289	2185
Product Usage Information	Application					Dilution
	Western Blotting					1:1000
	Immunoprecipitation					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 2 (Pyk2), also called CAKβ, 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	<ol style="list-style-type: none"> 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	W: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: Human
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