

Mouse Monoclonal Antibody to PYK2

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| Catalogue Number | sAP-0176 |
| Target Molecule | <p>Name: PYK2</p> <p>Aliases: PKB; PTK; CAKB; FAK2; FRNK; PTK2B</p> <p>MW: 115.8kDa</p> <p>Entrez Gene ID: 2185</p> |
| Description | <p>PYK2: PTK2B protein tyrosine kinase 2 beta, also known as PTK2B, PKB, PTK, CAKB, FAK2, FRNK. Entrez Protein NP_004094. It is a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase</p> |
| Immunogen | Purified recombinant fragment of PYK2 (aa815-997) expressed in E. Coli. ; |
| Reactive Species | Human |
| Clone | MM5E2D5; |
| Size and Concentration | 100µg/1mg/ml |
| Supplied as | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. |
| Reconstitution/Storages | Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage |
| Applications | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. Exp Hematol. 2004 Apr;32(4):365-74. ; 2. J Cell Sci. 2004 May 15;117(Pt 12):2557-68. ; 3. Int J Cancer. 2005 Feb 20;113(5):689-98. ; |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**