

Product Name: Phospho-PYK2 (Tyr402) Rabbit Polyclonal Antibody
Catalog #: APRab00952

Summary

Production Name	Phospho-PYK2 (Tyr402) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	PTK2B
Alternative Names	PTK2B; FAK2; PYK2; RAFTK; Protein-tyrosine kinase 2-beta; Calcium-dependent tyrosine kinase; CADTK; Calcium-regulated non-receptor proline-rich tyrosine kinase; Cell adhesion kinase beta; CAK-beta; CAKB; Focal adhesion kinase 2; FADK 2; Pro
Gene ID	2185
SwissProt ID	Q14289

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ICC: 1/100-1/200
Molecular Weight	Calculated MW: 116 kDa; Observed MW: 116 kDa

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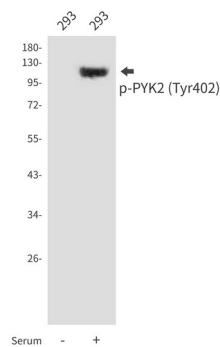
Background

PYK2 a nonreceptor tyrosine kinase of the Fak family. Predominantly expressed in the cells derived from hematopoietic lineages and in the central nervous system. PYK2 is one of the signaling mediators for G-protein-coupled receptors. Involved in calcium induced regulation of ion channel and activation of the map kinase signaling pathway. Interacts with the SH2 domain of Grb2.

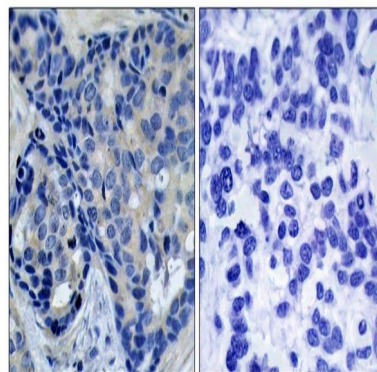
Research Area

Signal Transduction

Image Data

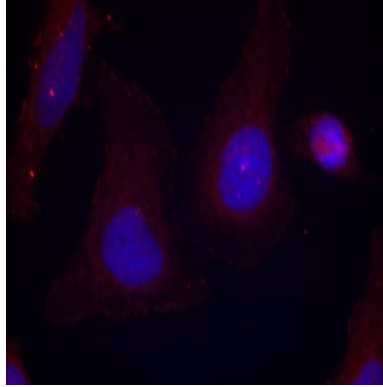


Western blot analysis of Phospho-PYK2 (Tyr402) in 293 lysates using Phospho-PYK2 (Tyr402) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue using Pyk2(Phospho-Tyr402) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.

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Immunofluorescence analysis of Phospho-PYK2 (Tyr402) in HeLa cells using Pyk2(Phospho-Tyr402) antibody(red).

Note

For research use only.