

Rabbit PYK2 Monoclonal Antibody | anti-PYK2 antibody

PYK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30145	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

PYK2; Monoclonal Antibody; PYK2 Antibody; CADTK antibody; CAK-beta antibody; CAKB antibody; CAKbeta antibody; Calcium regulated non receptor proline rich tyrosine kinase antibody; Calcium-dependent tyrosine kinase antibody; Cell adhesion kinase beta antibody; E430023O05Rik antibody; EC 2.7.10.2 antibody; FADK 2 antibody; FADK2 antibody; FAK2 antibody; FAK2_HUMAN antibody; Focal adhesion kinase 2 antibody; MGC124628 antibody; PKB antibody; Proline-rich tyrosine kinase 2 antibody; Protein kinase B antibody; Protein Tyrosine Kinase 2 Beta antibody; Protein-tyrosine kinase 2-beta antibody; PTK antibody; PTK2B antibody; PTK2B protein tyrosine kinase 2 beta antibody; PYK2 antibody; RAFTK antibody; RAFTK2 antibody; Related adhesion focal tyrosine kinase antibody; anti-PYK2 antibody

PRODUCT SPECIFICATIONS

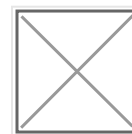
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SC06-15
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PYK2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



ICC (Immunocytochemistry)

ICC staining PYK2 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

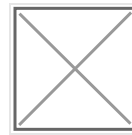


ICC (Immunocytochemistry)

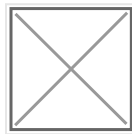
ICC staining PYK2 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**ICC (Immunocytochemistry)**

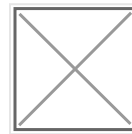
ICC staining PYK2 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-PYK2 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-PYK2 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PYK2 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-PYK2 antibody	Focal adhesion kinase (FAK) was initially identified as a substrate for the intrinsic protein tyrosine kinase activity of Src-encoded pp60. The deduced amino acid sequence of FAK p125 has shown it to be a cytoplasmic protein tyrosine kinase whose sequence and structural organization are unique compared to other protein families described. A putative new member of the FAK family, designated PYK2 (proline-rich tyrosine kinase 2), exhibits 61% sequence identity with FAK over its kinase domain. PYK2 (also designated CAKb or RAFTK) is highly expressed in the central nervous system. Activation of the kinase leads to modulation of ion channel function and the activation of the MAPK signaling pathway. PYK2 is rapidly phosphorylated on tyrosine residues in response to stimuli that increase intracellular calcium levels and compounds that activate members of the PKC family of kinases, such as phorbol esters.
Product Categories/Family for anti-PYK2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	27886584
NCBI GeneID	2185
NCBI Accession #	NP_004094.3
NCBI GenBank Nucleotide #	NM_004103.4
UniProt Accession #	Q14289; Q13475; Q14290; Q16709; Q6PID4; D3DST0
Molecular Weight	115,875 Da
NCBI Official Full Name	protein-tyrosine kinase 2-beta isoform a
NCBI Official Synonym Full Names	protein tyrosine kinase 2 beta
NCBI Official Symbol	PTK2B
NCBI Official Synonym Symbols	PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK
NCBI Protein Information	protein-tyrosine kinase 2-beta; FADK 2; CAK-beta; protein kinase B; focal adhesion kinase 2; cell adhesion kinase beta; proline-rich tyrosine kinase 2; calcium-dependent tyrosine kinase; PTK2B protein tyrosine kinase 2 beta; related adhesion focal tyrosin
UniProt Protein Name	Protein-tyrosine kinase 2-beta
UniProt Gene Name	PTK2B
UniProt Synonym Gene Names	FAK2; PYK2; RAFTK; CADTK; CAK-beta; CAKB; FADK 2; RAFTK
UniProt Entry Name	FAK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pyk2-antibody-clone-sc06-15-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/30145>