

### Anti-PYK2 (C-terminal region) Antibody

Catalog # AN1928

# **Specification**

### Anti-PYK2 (C-terminal region) Antibody - Product Information

Application WB
Primary Accession Q14289
Reactivity Bovine
Host Mouse

Clonality Mouse Monoclonal

Isotype IgG1
Calculated MW 115875

### Anti-PYK2 (C-terminal region) Antibody - Additional Information

Gene ID **2185** 

Other Names CAKbeta, FAK2

Dilution WB~~1:1000

### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Anti-PYK2 (C-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# **Shipping**

Blue Ice

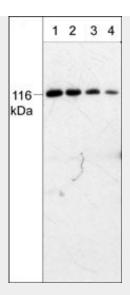
# Anti-PYK2 (C-terminal region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Anti-PYK2 (C-terminal region) Antibody - Images





Western blot analysis of mouse brain. The blot was probed with anti-PYK2 (C-terminal region) antibody at 1:250 (lane 1), 1:500 (lane 2), 1:1000 (lane 3), and 1:2000 (lane 4).

# Anti-PYK2 (C-terminal region) Antibody - Background

Protein tyrosine kinase, Pyk2 (CAKb, RAFTK, CADTK), is a nonreceptor tyrosine kinase structurally related to focal adhesion kinase (FAK). 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 of various cell types. In T-cells, Pyk2 is tyrosine phosphorylated and activated upon ligation of TCR. Phosphorylation of Tyr-402 is required for the phosphorylation of other tyrosines in Pyk2 and provides a binding site for Fyn SH2 during T-cell activation.