



Protein Kinase G2(PKG-2)

Catalog number

P9102-96

Supplier

United States Biological

PKGs are cyclic GMP-dependent protein kinases (also known as cGKs or PRKGs) that are classified into two types, PKG-1 and PKG-2. PKG plays an important stimulatory role in platelet activation. All PKG family members are activated by increased levels of cellular cGMP. cGMP binds to the enzyme's regulatory domain inducing a conformational change which leads to enzyme activation.

Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

Recommended Dilution

ELISA: 0.05-0.2ug/ml

Western Blot: 0.5-2ug/ml

Optimal dilutions to be determined by the researcher.

Storage and Stability

Lyophilized powder may be stored at -20°C. Stable for 12 months after receipt at -20°C. Reconstitute with sterile ddH₂O. Aliquot to avoid repeated freezing and thawing. Store at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

KLH-conjugated synthetic peptide from human PKG-2 sequence.

Formulation

Supplied as a lyophilized powder from PBS, pH 7.4, 0.02% sodium azide. Reconstitute with sterile dH₂O to a concentration of 0.5mg/ml.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes endogenous levels of total human PKG-2 protein. Species Crossreactivity: mouse.

Product Type

Pab

Source

human

Isotype

IgG

**Grade**

Affinity Purified

Applications

E WB

Crossreactivity

Hu Mo

Storage

-20°C