abcam

Product datasheet

Recombinant human GPSN2-PKN1 fusion protein (Tagged) ab269032

2 Images

Description

Product name	Recombinant human GPSN2-PKN1 fusion protein (Tagged)
Biological activity	Recombinant human PKN1 + GPSN2 fusion protein activity was determined to be 245.5 nmol/min/mg in a kinase assay using CREBtide synthetic peptide substrate.
Purity	> 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	GPSN2: aa1-5 (exon1) PKN1: aa 473-end (exons 10-22)
Molecular weight information	Approx 80 kDa by SDS-PAGE.
Amino acids	1 to 5
Tags	GST tag N-Terminus
Additional sequence information	NM_138501 NM_002741
Description	Recombinant human PKN1 + GPSN2 protein (Active)

Specifications

Our **Abpromise guarantee** covers the use of **ab269032** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Liquid
Additional notes	GST-GPSN2-PKN1 fusion protein

Preparation and Storage

Stability and Storage

Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.50
Constituents: 0.79% Tris HCl, 0.87% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)

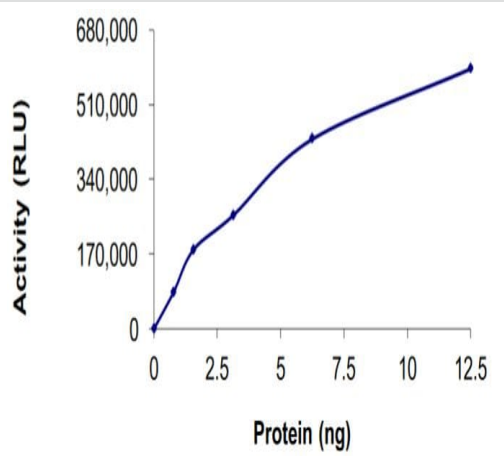
This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Cellular localization

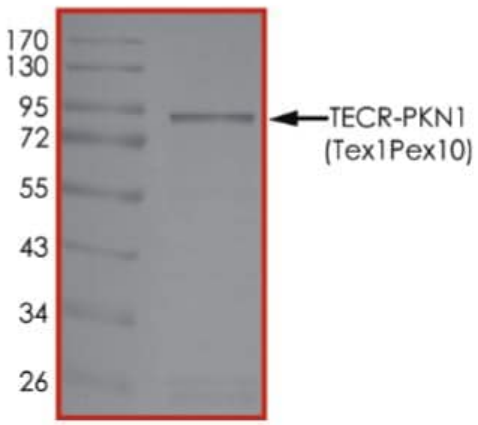
PKN1: Cytoplasm. Nucleus. Endosome. Cell membrane. Cleavage furrow. Midbody. Associates with chromatin in a ligand-dependent manner. Localization to endosomes is mediated via its interaction with RHOB. Association to the cell membrane is dependent on Ser-374 phosphorylation. Accumulates during telophase at the cleavage furrow and finally concentrates around the midbody in cytokinesis. GPSN2: Endoplasmic reticulum membrane; Multi-pass membrane protein.

Images



Functional Studies - Recombinant human PKN1 + GPSN2 protein (Tagged) (ab269032)

Recombinant human PKN1 + GPSN2 fusion protein activity was determined to be 245.5 nmol/min/mg in a kinase assay using CREBtide synthetic peptide substrate.



SDS-PAGE - Recombinant human PKN1 + GPSN2 protein (Tagged) (ab269032)

Recombinant human TECR-PKN1 fusion protein (ab269032) resolved on a SDS-PAGE gel.

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