

Product datasheet

Recombinant Human PHLDA3 protein ab161714

1 Image

Overview

Product name	Recombinant Human PHLDA3 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	CVLTERGLQLFEAKGTGGRPKELSFARIKAVECVEST GRHIYFTLVTEGG GEIDFRCPLEDPGWNAQITLGLVKFKNQQAQTVRARQ SLGTGTLVS
Amino acids	31 to 127
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab161714** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

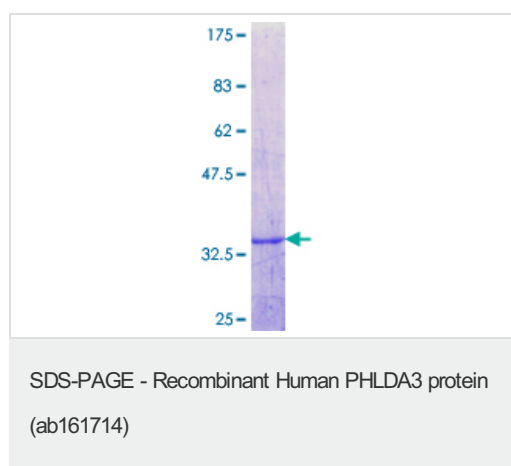
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	p53/TP53-regulated repressor of Akt/AKT1 signaling. Represses AKT1 by preventing AKT1-binding to membrane lipids, thereby inhibiting AKT1 translocation to the cellular membrane and activation. Contributes to p53/TP53-dependent apoptosis by repressing AKT1 activity. Its direct transcription regulation by p53/TP53 may explain how p53/TP53 can negatively regulate AKT1. May act as a tumor suppressor.
Tissue specificity	Widely expressed with lowest expression in liver and spleen.
Sequence similarities	Belongs to the PHLDA3 family. Contains 1 PH domain.
Domain	The PH domain binds phosphoinositides with a broad specificity. It competes with the PH domain of AKT1 and directly interferes with AKT1 binding to phosphatidylinositol 4,5-bisphosphate (PIP2) and phosphatidylinositol 3,4,5-triphosphate (PIP3), preventing AKT1 association to membrane lipids and subsequent activation of AKT1 signaling.
Cellular localization	Cytoplasm. Membrane.

Images



ab161714 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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