

Product datasheet

Recombinant Human RNF146 protein ab153534

1 Image

Description

Product name	Recombinant Human RNF146 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAGCGEIDHSINMLPTNRKANESCSNTAPSLVPECAICL QTCVHPVSLP CKHVFCYLCVKGASWLGKRCALCRQEIPEDFLDKPTLLS PEELKAASRGN GEYAWYYEGRNGWWQYDERTSRELEDAFSKGKKNTEMLI AGFLYADLEN MVQYRRNEHGRRRKIKRDIIDIPKKGVAGLRRLDCDANTVNL ARESSADGA DSVSAQSGASVQPLVSSVRPLTSVDGQLTSPATPSPDAS TSLEDSFAHLQ LSGDNTAERSHRGEGEEDHESPSSGRVPAPDTSIEETES DASSDSEDVSA VVAQHSLTQQRLLVSNANQTPDRSDRS GTDRSVAGGG TVSVSVRSRRPD GQCTVTEV
Amino acids	1 to 358
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab153534** in the following tested applications.

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

Applications	ELISA Western blot
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Form	Liquid
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Additional notes

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

General Info

Function

E3 ubiquitin-protein ligase that specifically binds poly-ADP-ribosylated proteins and mediates their ubiquitination and subsequent degradation. Acts as an activator of the Wnt signaling pathway by mediating the ubiquitination of poly-ADP-ribosylated AXIN1 and AXIN2, 2 key components of the beta-catenin destruction complex. Acts in cooperation with tankyrase proteins (TNKS and TNKS2), which mediate poly-ADP-ribosylation of target proteins AXIN1, AXIN2, BLZF1, CASC3, TNKS and TNKS2. Recognizes and binds tankyrase-dependent poly-ADP-ribosylated proteins via its WWE domain and mediates their ubiquitination.

Tissue specificity

Ubiquitously expressed. Up-regulated in brains from patients with Alzheimer disease.

Pathway

Protein modification; protein ubiquitination.

Involvement in disease

Note=Defects in RNF146 are a cause of susceptibility to breast cancer.

Sequence similarities

Contains 1 RING-type zinc finger.

Contains 1 WWE domain.

Domain

The WWE domain mediates non-covalent poly(ADP-ribose)-binding.

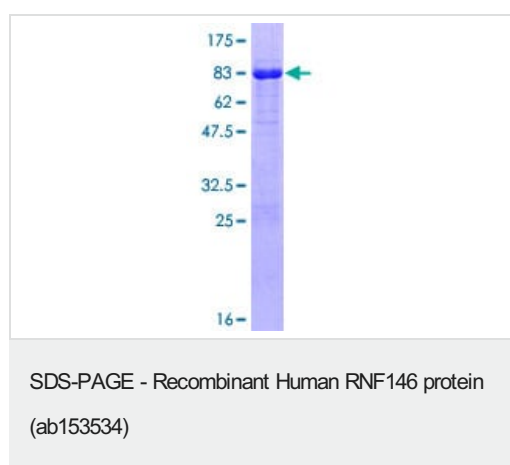
Post-translational modifications

Ubiquitinated; autoubiquitinated. Autoubiquitination is enhanced upon poly(ADP-ribose)-binding.

Cellular localization

Cytoplasm > cytosol.

Images



ab153534 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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