

Datasheet for ABIN2783148
anti-PLEKH01 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | PLEKH01 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Rat, Pig, Cow |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PLEKH01 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human PLEKH01 |
| Sequence: | MMKKNNSAKR GPQDGNQQA PPEKVGWVRK FCGKGIFREI WKNRYVVLKG |
| Predicted Reactivity: | Cow: 86%, Human: 100%, Pig: 86%, Rat: 82% |
| Characteristics: | This is a rabbit polyclonal antibody against PLEKH01. It was validated on Western Blot. |
| Purification: | Affinity Purified |

Target Details

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| Target: | PLEKH01 |
| Alternative Name: | PLEKH01 (PLEKH01 Products) |

Target Details

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| Background: | <p>PLEKHO1 plays a role in the regulation of the actin cytoskeleton through its interactions with actin capping protein (CP). PLEKHO1 may function to target CK2 to the plasma membrane thereby serving as an adapter to facilitate the phosphorylation of CP by protein kinase 2 (CK2). PLEKHO1 appears to target ATM to the plasma membrane. PLEKHO1 appears to also inhibit tumor cell growth by inhibiting AKT-mediated cell-survival. PLEKHO1 is also implicated in PI3K-regulated muscle differentiation, the regulation of AP-1 activity (plasma membrane bound AP-1 regulator that translocates to the nucleus) and the promotion of apoptosis induced by tumor necrosis factor TNF. When bound to PKB, it inhibits it probably by decreasing PKB level of phosphorylation.</p> <p>Alias Symbols: CKIP-1, OC120, RP11-458I7.3</p> <p>Protein Interaction Partner: PLEKHO1, AKT3, AKT2, AKT1, UBC, GSK3B, TRAF6, Arpc1a, Stub1, Rps3a1, SMURF1, PSMC5, USP7, C10orf88, RPS20, IFI35, DNAJB1, FLNB, CSNK2A1, SMAD5, JUND, JUN, CASP3,</p> <p>Protein Size: 409</p> |
| Molecular Weight: | 46 kDa |
| Gene ID: | 51177 |
| NCBI Accession: | NM_016274 , NP_057358 |
| UniProt: | Q53GL0 |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 409 AA |
| Restrictions: | For Research Use only |

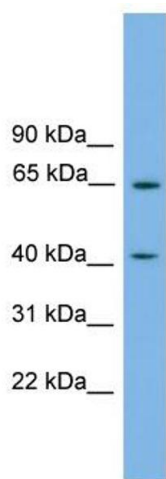
Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

Handling

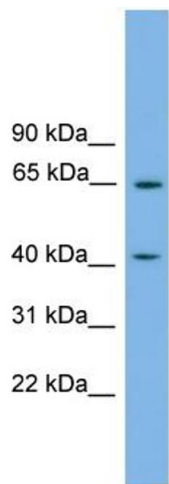
| | |
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| | should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

Image 1. WB Suggested Anti-PLEKHO1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: COLO205 cell lysate



Rabbit Anti-PLEKHO1 Antibody
Catalog Number: ARP47817
Lot Number: QC15589
Lane: COLO205 Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-PLEKHO1 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:2500 Positive Control: COLO205 cell lysate