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PAT1(APPBP2) Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7274c

Specification

PAT1(APPBP2) Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q92624
Other Accession	A5HK05, Q9DAX9, NP_006371
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**242-271**

PAT1(APPBP2) Antibody (Center) - Additional Information

Gene ID 10513

Other Names
Amyloid protein-binding protein 2, Amyloid beta precursor protein-binding protein 2, APP-BP2, Protein interacting with APP tail 1, APPBP2, KIAA0228, PAT1

Target/Specificity
This PAT1(APPBP2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-271 amino acids from the Central region of human PAT1(APPBP2).

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PAT1(APPBP2) Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PAT1(APPBP2) Antibody (Center) - Protein Information

Name APPBP2 {ECO:0000303|PubMed:26138980, ECO:0000312|HGNC:HGNC:622}

Function Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29775578, PubMed:29779948). The C-degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms (PubMed:29775578, PubMed:29779948). The CRL2(APPBP2) complex specifically recognizes proteins with a -Arg-Xaa- Xaa-Gly degron at the C-terminus, leading to their ubiquitination and degradation (PubMed:29775578, PubMed:29779948). The CRL2(APPBP2) complex mediates ubiquitination and degradation of truncated SELENOV selenoproteins produced by failed UGA/Sec decoding, which end with a -Arg-Xaa-Xaa-Gly degron (PubMed:26138980). May play a role in intracellular protein transport: may be involved in the translocation of APP along microtubules toward the cell surface (PubMed:9843960).

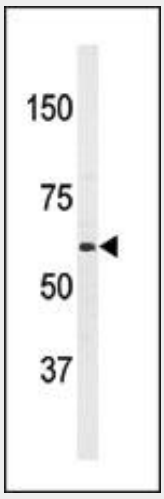
Cellular Location
Nucleus. Cytoplasm, cytoskeleton. Membrane; Peripheral membrane protein. Note=Associated with membranes and microtubules.

PAT1(APPBP2) Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PAT1(APPBP2) Antibody (Center) - Images



Western blot analysis of anti-PAT1(APPBP2) Antibody (Center) (Cat. #AP7274c) in HL60 cell line lysates (35ug/lane). PAT1(arrow) was detected using the purified Pab.

PAT1(APPBP2) Antibody (Center) - Background

APPBP2 interacts with microtubules and is functionally associated with beta-amyloid precursor

protein transport and/or processing. The beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is thought to play a role in the pathogenesis of Alzheimer's disease. This protein has been found to be highly expressed in breast cancer.

PAT1(APPBP2) Antibody (Center) - References

Zheng,P., Proc. Natl. Acad. Sci. U.S.A. 95 (25), 14745-14750 (1998)