

**PAT1(APPBP2) Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7274c****Specification**

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**PAT1(APPBP2) Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O92624</a>
Other Accession	<a href="#">A5HK05</a> , <a href="#">O9DAX9</a> , <a href="#">NP_006371</a>
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

**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:[29779948](#), PubMed:[29775578](#)). 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:[29779948](#), PubMed:[29775578](#)). 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:[29779948](#), PubMed:[29775578](#)). 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

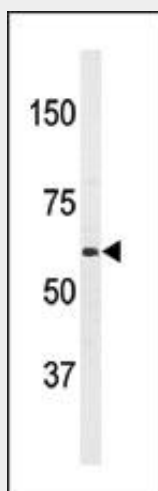
Nucleus. Cytoplasm, cytoskeleton. Membrane; Peripheral membrane protein. Note=Associated with membranes and microtubules.

#### 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 Cytometry](#)
- [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)