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APP-BP2 Polyclonal Antibody

Catalog # AP73857

Product Information

Application	WB, E
Primary Accession	Q92624
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66853

Additional Information

Gene ID	10513
Other Names	APPBP2; KIAA0228; PAT1; Amyloid protein-binding protein 2; Amyloid beta precursor protein-binding protein 2; APP-BP2; Protein interacting with APP tail 1
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

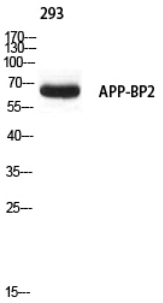
Name	APPBP2 {ECO:0000303|PubMed:26138980, ECO:0000312|HGNC:HGNC:622}
Function	Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29775578, PubMed:29779948, PubMed:37844242). 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, PubMed:37844242). 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, PubMed:37844242). 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, PubMed:37844242). The CRL2(APPBP2) complex negatively regulates beige adipocyte differentiation by mediating ubiquitination and degradation of PRDM16 (By similarity). 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.

Background

May play a role in intracellular protein transport. May be involved in the translocation of APP along microtubules toward the cell surface.

Images



Western blot analysis of 293 using APP-BP2 antibody..
Secondary antibody was diluted at 1:20000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.