

APPBP2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16780**Specification****APPBP2 Antibody (C-Terminus) - Product Information**

Application	IHC, IF, WB
Primary Accession	O92624
Other Accession	10513
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	66853

APPBP2 Antibody (C-Terminus) - Additional Information**Gene ID** 10513**Other Names**

APPBP2, APP-BP2, KIAA0228, HS.84084, PAT1

Target/Specificity

APPBP2 antibody is human, mouse and rat reactive. At least two isoforms of APPBP2 are known to exist; this antibody will detect both isoforms.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

APPBP2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

APPBP2 Antibody (C-Terminus) - 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 SELENOP selenoproteins produced by failed UGA/Sec decoding, which end with a -Arg-Xaa-Xaa-Gly degreon (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

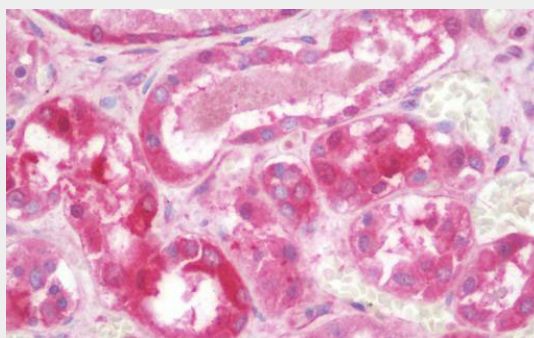
Nucleus. Cytoplasm, cytoskeleton. Membrane; Peripheral membrane protein. Note=Associated with membranes and microtubules.

APPBP2 Antibody (C-Terminus) - Protocols

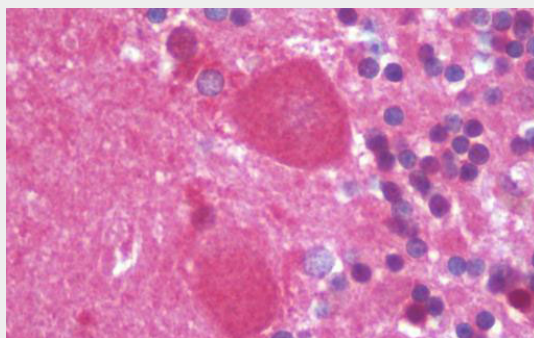
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

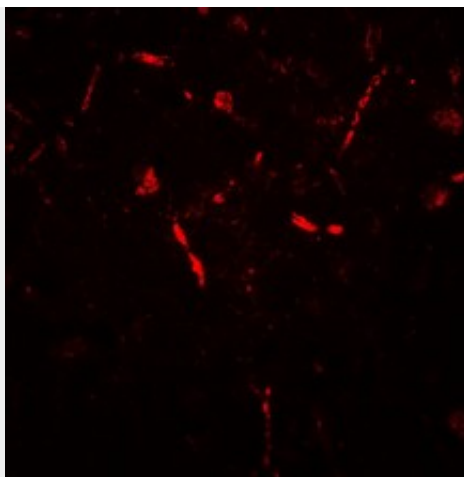
APPBP2 Antibody (C-Terminus) - Images



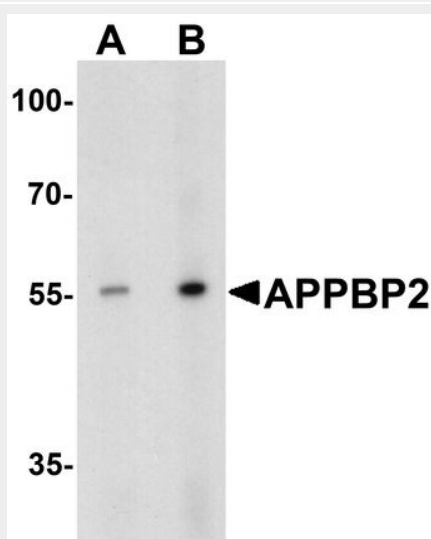
Anti-PAT1 / APPBP2 antibody IHC staining of human kidney.



Anti-PAT1 / APPBP2 antibody IHC staining of human brain, cerebellum.



Immunofluorescence of APPBP2 in human brain tissue with APPBP2 antibody at 20 µg/mL.



Western blot analysis of APPBP2 in human brain tissue lysate with APPBP2 antibody at (A) 0.5 and...

APPBP2 Antibody (C-Terminus) - Background

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

APPBP2 Antibody (C-Terminus) - References

- Zheng P.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:14745-14750(1998).
- Nagase T.,et al.DNA Res. 3:321-329(1996).
- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
- Gao Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:14979-14984(2001).