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PCIA1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14094C

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BW61
Other Accession	Q5U550, Q9D9Z5, Q7T2A3, Q5ZK14, Q5E9A9, NP_076955.1
Reactivity	Human
Predicted	Bovine, Chicken, Zebrafish, Mouse, Xenopus, Rat, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18541
Calculated MW	11835
Antigen Region	11-40

Additional Information

Gene ID	79016
Other Names	DET1- and DDB1-associated protein 1, Placenta cross-immune reaction antigen 1, PCIA-1, DDA1, C19orf58, PCIA1
Target/Specificity	This PCIA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-40 amino acids from the Central region of human PCIA1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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 A column, followed by peptide affinity purification.
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	PCIA1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DDA1 {ECO:0000303|PubMed:17452440, ECO:0000312|HGNC:HGNC:28360}
Function	Functions as a component of numerous distinct DCX (DDB1-CUL4- X-box) E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and

subsequent proteasomal degradation of target proteins (PubMed:17452440, PubMed:28302793, PubMed:28437394, PubMed:31686031, PubMed:31819272). In the DCX complexes, acts as a scaffolding subunit required to stabilize the complex (PubMed:31686031, PubMed:31819272).

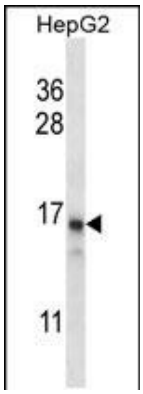
Background

PCIA1 may be involved in ubiquitination and subsequent proteasomal degradation of target proteins. Component of the DDD-E2 complexes which may provide a platform for interaction with CUL4A and WD repeat proteins.

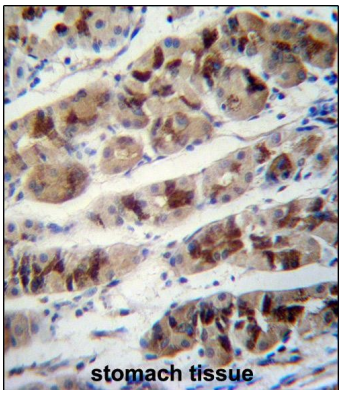
References

Olma, M.H., et al. J. Cell. Sci. 122 (PT 7), 1035-1044 (2009) :
Pick, E., et al. Mol. Cell. Biol. 27(13):4708-4719(2007)
Li, Z.M., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 24(3):279-283(2007)

Images



PCIA1 Antibody (Center) (Cat. #AP14094c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the PCIA1 antibody detected the PCIA1 protein (arrow).



PCIA1 Antibody (Center) (Cat. #AP14094c)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PCIA1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- Restriction of hepatitis B virus replication by c-Abl-induced proteasomal degradation of the viral polymerase.

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