

HERC3 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19543a

Product Information

Application	WB, E
Primary Accession	Q15034
Other Accession	NP_055421.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40596
Calculated MW	117188
Antigen Region	51-77

Additional Information

Gene ID	8916
Other Names	Probable E3 ubiquitin-protein ligase HERC3, 632-, HECT domain and RCC1-like domain-containing protein 3, HERC3, KIAA0032
Target/Specificity	This HERC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-77 amino acids from the N-terminal region of human HERC3.
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 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	HERC3 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HERC3
Synonyms	KIAA0032

Function	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates.
Cellular Location	Cytoplasm. Cytoplasmic vesicle. Note=Also found in vesicular-like structures

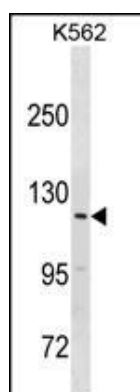
Background

HERC3 belongs to the HERC family of ubiquitin ligases, all of which contain a HECT domain and at least 1 RCC1 (MIM 179710)-like domain (RLD). The 350-amino acid HECT domain is predicted to catalyze the formation of a thioester with ubiquitin before transferring it to a substrate, and the RLD is predicted to act as a guanine nucleotide exchange factor for small G proteins (Hochrainer et al., 2005 [PubMed 15676274]).

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Hochrainer, K., et al. Genomics 85(2):153-164(2005)
Cruz, C., et al. FEBS Lett. 488 (1-2), 74-80 (2001) :
Cruz, C., et al. Cytogenet. Cell Genet. 87 (3-4), 263-264 (1999) :

Images



HERC3 Antibody (N-term) (Cat. #AP19543a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the HERC3 antibody detected the HERC3 protein (arrow).

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