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HERC4 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21313c

Product Information

Application	WB, E
Primary Accession	Q5GLZ8
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52101
Calculated MW	118563

Additional Information

Gene ID	26091
Other Names	Probable E3 ubiquitin-protein ligase HERC4, 632-, HECT domain and RCC1-like domain-containing protein 4, HERC4, KIAA1593
Target/Specificity	This HERC4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 445-479 amino acids from the Central region of human HERC4.
Dilution	WB~~1:2000 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	HERC4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HERC4
Synonyms	KIAA1593
Function	Probable E3 ubiquitin-protein ligase involved in either protein trafficking or in the distribution of cellular structures. Required for spermatozoon

	maturation and fertility, and for the removal of the cytoplasmic droplet of the spermatozoon. E3 ubiquitin-protein ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer it to targeted substrates.
Cellular Location	Cytoplasm, cytosol. Note=shows a punctate cytoplasmic distribution
Tissue Location	Expressed in brain and testis and detected in heart and placenta.

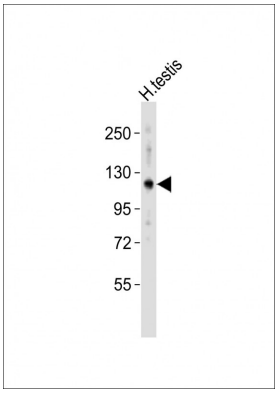
Background

Probable E3 ubiquitin-protein ligase involved in either protein trafficking or in the distribution of cellular structures. Required for spermatozoon maturation and fertility, and for the removal of the cytoplasmic droplet of the spermatozoon. E3 ubiquitin-protein ligases accept ubiquitin from an E2 ubiquitin- conjugating enzyme in the form of a thioester and then directly transfer it to targeted substrates (By similarity).

References

Hochrainer K.,et al.Genomics 85:153-164(2005).
Nagase T.,et al.DNA Res. 7:273-281(2000).
Deloukas P.,et al.Nature 429:375-381(2004).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images



Anti-HERC4 Antibody (Center)at 1:2000 dilution + human testis lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 119 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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