

HERC1 Rabbit pAb

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Catalog # AP56007

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q15751
Predicted	Rat, Pig, Dog, Human, Mouse, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	532228
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HERC1
Epitope Specificity	401-500/4861
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Peripheral membrane protein. Cytoplasm, cytosol. Golgi apparatus. Note=Recruited onto actin-rich surface protrusions.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HERC1 is a stimulates guanine nucleotide exchange on ARF1 and Rab proteins. This protein may be involved in membrane transport processes.

Additional Information

Gene ID	8925
Other Names	Probable E3 ubiquitin-protein ligase HERC1, 2.3.2.26, HECT domain and RCC1-like domain-containing protein 1, HECT-type E3 ubiquitin transferase HERC1, p532, p619, HERC1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HERC1
Function	Involved in membrane trafficking via some guanine nucleotide exchange

factor (GEF) activity and its ability to bind clathrin. Acts as a GEF for Arf and Rab, by exchanging bound GDP for free GTP. Binds phosphatidylinositol 4,5-bisphosphate, which is required for GEF activity. May also act as a 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

Membrane; Peripheral membrane protein. Cytoplasm, cytosol. Golgi apparatus. Note=Recruited onto actin-rich surface protrusions

Tissue Location

Widely expressed..

Background

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