SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-HERC1 antibody

Catalog Number: SL15459R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HERC1
Immunogen:	KLH conjugated synthetic peptide derived from human HERC1 : 401-500/4861
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Sheep)
Predicted MW.:	532kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	HERC1 is a stimulates guanine nucleotide exchange on ARF1 and Rab proteins. This protein may be involved in membrane transport processes. **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. **Subunit:** Interacts with TSC2; interaction is inhibited by TSC1. Interacts with

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	PKM, ARF1 and ARF6. Forms a ternary complex with clathrin heavy chain (CLTC) and HSPA1A. **Subcellular Location:** Membrane; Peripheral membrane protein. Cytoplasm, cytosol. Golgi apparatus. Note=Recruited onto actin-rich surface protrusions. **Tissue Specificity:** Widely expressed. **Similarity:** Contains 1 B30.2/SPRY domain. Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 14 RCC1 repeats. Contains 11 WD repeats. **Database links:** **Entrez Gene:** 538029 Cow **Entrez Gene:** 8925 Human **Entrez Gene:** 235439 Mouse **Entrez Gene:** 100153537 Pig **Entrez Gene:** 315771 Rat Omim: 605109 Human **SwissProt:** Q15751 Human **Unigene:** 210385 Human **Unigene:** 244179 Mouse **Unigene:** 232088 Rat

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.