

Product datasheet for **TA330453**

HACE1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-HACE1 antibody is: synthetic peptide directed towards the N-terminal region of Human HACE1. Synthetic peptide located within the following region: RARTVELPEDNETAVYTLMPMVMADQHRSVSELLSNSKFDVNYAFGRVKR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	76 kDa
Gene Name:	HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1
Database Link:	NP_065822 Entrez Gene 57531 Human Q8IYU2



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Background:

HACE1 is a E3 ubiquitin-protein ligase involved in Golgi membrane fusion and regulation of small GTPases. It acts as a regulator of Golgi membrane dynamics during the cell cycle: recruited to Golgi membrane by Rab proteins and regulates postmitotic Golgi membrane fusion. It acts by mediating ubiquitination during mitotic Golgi disassembly, ubiquitination serving as a signal for Golgi reassembly later, after cell division. HACE1 specifically interacts with GTP-bound RAC1, mediating ubiquitination and subsequent degradation of active RAC1, thereby playing a role in host defense against pathogens. It may also act as a transcription regulator via its interaction with RARB.

Synonyms:

E3 ubiquitin protein ligase 1; HECT domain and ankyrin repeat containing

Note:

Immunogen sequence homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Horse: 93%; Bovine: 93%; Zebrafish: 93%

Protein Families:

Druggable Genome

Product images: