

# Product datasheet

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# ARG41054 anti-HACE1 antibody

Package: 100 μl Store at: -20°C

### **Summary**

Product Description Rabbit Polyclonal antibody recognizes HACE1

Tested Reactivity Hu, Ms, Rat
Tested Application IHC-P, WB
Host Rabbit
Clonality Polyclonal

Isotype IgG

Target Name HACE1
Species Human

Immunogen Synthetic peptide within aa. 1-100 of Human HACE1 (NP\_065822.2).

Conjugation Un-conjugated

Alternate Names HECT domain and ankyrin repeat-containing E3 ubiquitin-protein ligase 1; EC 6.3.2.-; E3 ubiquitin-

protein ligase HACE1

# **Application Instructions**

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293T	
Observed Size	102 kDa	

# **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol HACE1

Gene Full Name HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1

Function E3 ubiquitin-protein ligase involved in Golgi membrane fusion and regulation of small GTPases. 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. Acts by mediating ubiquitination during mitotic Golgi disassembly, ubiquitination serving as a signal for Golgi reassembly later, after cell division. Specifically interacts with GTP-bound RAC1, mediating ubiquitination and subsequent degradation of active RAC1, thereby playing a role in host defense against pathogens. May also act as a

transcription regulator via its interaction with RARB. [UniProt]

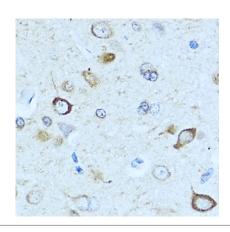
Calculated Mw 102 kDa

Cellular Localization Golgi apparatus, Golgi stack membrane. Cytoplasm. Endoplasmic reticulum. Note=A significant portion

localizes to the endoplasmic reticulum. Targeted to Golgi membrane via its interaction with Rab

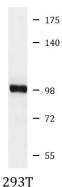
proteins. [UniProt]

# **Images**



#### ARG41054 anti-HACE1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG41054 anti-HACE1 antibody at 1:100 dilution.



#### ARG41054 anti-HACE1 antibody WB image

Western blot: 25  $\mu g$  of 293T cell lysate stained with ARG41054 anti-HACE1 antibody at 1:1000 dilution.