

Rabbit HACE1 Polyclonal Antibody | anti-HACE1 antibody

HACE1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327968	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

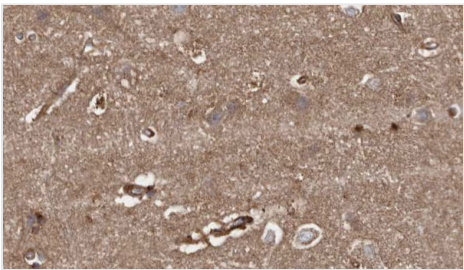
PRODUCT SYNONYMS

HACE1; Polyclonal Antibody; HACE1 Antibody; E3 ubiquitin-protein ligase HACE1; HACE 1; HECT domain and ankyrin repeat-containing E3 ubiquitin-protein ligase 1; KIAA1320; anti-HACE1 antibody

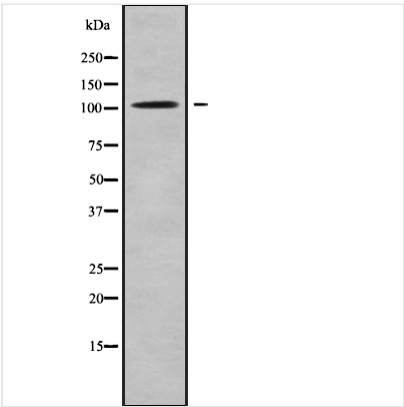
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HACE1 antibody detects endogenous levels of total HACE1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	865
Applicable Applications for anti-HACE1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HACE1
Subcellular Location	Endoplasmic Reticulum; Golgi apparatus
Tissue Specificity	Expressed in multiple tissues including heart, brain and kidney.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (92%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA327968 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HACE1 using LOVO whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-HACE1 antibody	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. Subunit Structure: Interacts with RARB (By similarity). Interacts with RAB1 (RAB1A, RAB1B or RAB1C), RAB4 (RAB4A or RAB4B) and RAB11 (RAB11A or RAB11B); in a GTP-dependent manner. Interacts with RAC1; in a GTP-dependent manner. Interacts with the 26S proteasomal complex through the 20S core proteasomal subunit.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1007359986
NCBI GeneID	57531
NCBI Accession #	NP_001308009.1
NCBI GenBank Nucleotide #	NM_001321080.1
UniProt Accession #	Q8IYU2; Q5VU99; Q5VUA0; Q8ND12; Q9P2M6; A8K6U5; B3KY89; B4DFM6; B4DTQ4; B7Z9X6; E9PGP0
Molecular Weight	Observed: 102 kDa Predicted: 103 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase HACE1 isoform b
NCBI Official Synonym Full Names	HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1
NCBI Official Symbol	HACE1
NCBI Official Synonym Symbols	SPPRS
NCBI Protein Information	E3 ubiquitin-protein ligase HACE1
UniProt Protein Name	E3 ubiquitin-protein ligase HACE1
UniProt Gene Name	HACE1
UniProt Synonym Gene Names	KIAA1320

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

