

Rabbit anti-Human, mouse CHAC1 Polyclonal Antibody | anti-CHAC1 antibody

CHAC1 Antibody

CATALOG # AAA230026	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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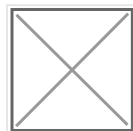
PRODUCT SYNONYMS

CHAC1; Polyclonal Antibody; CHAC1 Antibody; Glutathione-specific gamma-glutamylcyclotransferase 11 Publication; CHAC11; Blocks Notch protein1; anti-CHAC1 antibody

PRODUCT SPECIFICATIONS

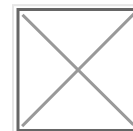
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	219
Applicable Applications for anti-CHAC1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Glutathione-specific gamma-glutamylcyclotransferase 1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-133320 / sc-133321
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA230026 at 1:260, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis using AAA230026 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-CHAC1 antibody	Catalyzes the cleavage glutathione into 5-oxoproline and a Cys-Gly dipeptide. Acts specifically on glutathione, but not on other gamma-glutamyl peptides. Glutathione depletion is an important factor for apoptosis initiation and execution (PubMed:23070364). Acts as a pro-apoptotic component of the unfolded protein response pathway by mediating the pro-apoptotic effects of the ATF4-ATF3-DDIT3/CHOP cascade (PubMed:19109178). Negative regulator of Notch signaling pathway involved in embryonic neurogenesis: acts by inhibiting Notch cleavage by furin, maintaining Notch in an immature inactive form, thereby promoting neurogenesis in embryos (PubMed:22445366).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218563700
NCBI GeneID	79094
NCBI Accession #	NP_001136248.1
NCBI GenBank Nucleotide #	NM_001142776.1
UniProt Accession #	Q9BUX1; Q0VIA0
Molecular Weight	23,795 Da
NCBI Official Full Name	glutathione-specific gamma-glutamylcyclotransferase 1 isoform b
NCBI Official Synonym Full Names	ChaC glutathione-specific gamma-glutamylcyclotransferase 1
NCBI Official Symbol	CHAC1
NCBI Protein Information	glutathione-specific gamma-glutamylcyclotransferase 1
UniProt Protein Name	Glutathione-specific gamma-glutamylcyclotransferase 1
UniProt Gene Name	CHAC1
UniProt Synonym Gene Names	Botch
UniProt Entry Name	CHAC1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chac1-antibody-immunohistochemistry-western-blot-elisa/230026>