HAUS8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HAUS8, Polyclonal Antibody
Full Product Name	HAUS8, NT (HAUS8, HICE1, HAUS augmin-like complex subunit 8, HEC1/NDC80-interacting centrosome-associated protein 1, Sarcoma antigen NY-SAR-48) (MaxLight 550)
Product Gene Name	anti-HAUS8 antibody
Product Synonym Names	HAUS8; HICE1; HAUS augmin-like complex subunit 8; HEC1/NDC80-interacting centrosome-associated protein 1; Sarcoma antigen NY-SAR-48
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	44,786 Da
OMIM	613434
3D Structure	ModBase 3D Structure for Q9BT25
Immunogen	HAUS8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-54 amino acids from the N-terminal region of human HAUS8.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-HAUS8 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-HAUS8 antibody	Western Blot (WB), FLISA
Application Notes for anti-HAUS8 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-HAUS8 antibody	HAUS8 is 1 of 8 subunits of the 390-kD human augmin complex, or HAUS complex. The augmin complex was first identified in Drosophila, and its name comes from the Latin verb 'augmentare,' meaning 'to increase.' The augmin complex is a microtubule-binding complex involved in microtubule generation within the mitotic spindle and is vital to mitotic spindle assembly (Goshima et al., 2008 [PubMed 18443220]; Uehara et al., 2009 [PubMed 19369198]).
Product References and Citations for anti-HAUS8 antibody	Wu, G., et al. Mol. Biol. Cell 20(22):4686-4695(2009). Lawo, S., et al. Curr. Biol. 19(10):816-826(2009). Uehara, R., et al. Proc. Natl. Acad. Sci. U.S.A. 106(17):6998-7003(2009). Wu, G., et al. Mol. Cell. Biol. 28(11):3652-3662(2008). Goshima, G., et al. J. Cell Biol. 181(3):421-429(2008).

Other Notes	Small volumes of anti-HAUS8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HAUS8 purchase	MBS6305533 is an antibody targeting HAUS8. Also known as HAUS8, NT (HAUS8, HICE1, HAUS augmin-like complex subunit 8, HEC1/NDC80-interacting centrosome-associated protein 1, Sarcoma antigen NY-SAR-48) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HAUS8. It may not necessarily be applicable to this product.

NCBI GI #	58761504
NCBI GeneID	93323
NCBI Accession #	NP_219485.1
UniProt Primary Accession #	Q9BT25
UniProt Secondary Accession #	Q49AC4; Q86WF0; Q96FX3; B4DJA7; C9JBZ4
UniProt Related Accession #	Q9BT25
GenBank Nucleotide #	NM_033417.1
NCBI Official Full Name	HAUS augmin-like complex subunit 8 isoform a
NCBI Official Synonym Full Names	HAUS augmin-like complex, subunit 8
NCBI Official Symbol	HAUS8
NCBI Official Synonym Symbols	DGT4; HICE1; NY-SAR-48
UniProt Protein Name	HAUS augmin-like complex subunit 8
UniProt Synonym Protein Names	HEC1/NDC80-interacting centrosome-associated protein 1; Sarcoma antigen NY-SAR-48
Protein Family	HAUS augmin-like complex
UniProt Gene Name	HAUS8
UniProt Synonym Gene Names	HICE1
UniProt Entry Name	HAUS8_HUMAN
NCBI Protein Information	HAUS augmin-like complex subunit 8; HEC1/NDC80 interacting, centrosome associated 1; HEC1/NDC80-interacting centrosome-associated protein 1; Hec1-interacting and centrosome-associated 1; sarcoma antigen NY-SAR-48
UniProt Comments for HAUS8	HAUS8: Contributes to mitotic spindle assembly, maintenance of centrosome integrity and completion of cytokinesis as part of the HAUS augmin-like complex. Belongs to the HAUS8 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 19p13.11 Cellular Component: spindle pole; microtubule; centrosome; cytoplasm Biological Process: mitosis; centrosome organization and biogenesis; cell division; spindle assembly
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