CHTF8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHTF8, Polyclonal Antibody
Full Product Name	CHTF8 (Chromosome Transmission Fidelity Protein 8 Homolog isoform 2, Decreased Expression in renal and Prostate Cancer Protein, CHTF8, DERPC) (MaxLight 650)
Product Gene Name	anti-CHTF8 antibody
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 MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CHTF8. Species Crossreactivity: human
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	13,314 Da
OMIM	613202
3D Structure	ModBase 3D Structure for P0CG12
Immunogen	KLH conjugated synthetic peptide corresponding to aa2-33 from human CHTF8.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-CHTF8 antibody	Antibodies; Nuclear Proteins
Applications Tested/Suitable for anti-CHTF8 antibody	Western Blot (WB)
Application Notes for anti-CHTF8 antibody	WB: 1:2000 Applications are based on unconjugated antibody.
Related Product Information for anti-CHTF8 antibody	MBS6455147 is an antibody targeting CHTF8. Also known as CHTF8 (Chromosome Transmission Fidelity Protein 8 Homolog isoform 2, Decreased Expression in renal and Prostate Cancer Protein, CHTF8, DERPC) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CHTF8 antibody	Bechtel S., et al. BMC Genomics 8:399-399(2007). Martin J., et al. Nature 432:988-994(2004). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Sun M., et al. Mol. Med. 8:655-663(2002). Green A.R., et al. Breast Cancer Res. Treat. 113:59-66(2009).
Other Notes	Small volumes of anti-CHTF8 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHTF8. It may not necessarily be applicable to this product.

NCBI GI #	767990105
NCBI GeneID	54921
NCBI Accession #	XP_011521469.1
UniProt Primary Accession #	P0CG12
UniProt Secondary Accession #	Q71E72; Q8NDH8; Q8WV66; Q9NX73; A8MYX8
UniProt Related Accession #	P0CG12; P0CG13
GenBank Nucleotide #	XM_011523167.1
NCBI Official Full Name	chromosome transmission fidelity protein 8 homolog isoform X1
NCBI Official Synonym Full Names	chromosome transmission fidelity factor 8
NCBI Official Symbol	CHTF8
NCBI Official Synonym Symbols	CTF8; DERPC
UniProt Protein Name	Chromosome transmission fidelity protein 8 homolog isoform 2
UniProt Synonym Protein Names	Decreased expression in renal and prostate cancer protein
Protein Family	Chromosome transmission fidelity protein
UniProt Gene Name	CHTF8
UniProt Synonym Gene Names	DERPC
NCBI Protein Information	chromosome transmission fidelity protein 8 homolog
NCBI Summary for CHTF8	This gene encodes a short protein that forms part of the Ctf18 replication factor C (RFC) complex that occurs in both yeast and mammals. The heteroheptameric RFC complex plays a role in sister chromatid cohesion and may load the replication clamp PCNA (proliferating cell nuclear antigen) onto DNA during DNA replication and repair. This gene is ubiquitously expressed and has been shown to have reduced expression in renal and prostate tumors. Alternatively spliced transcript variants have been described. This gene has a pseudogene on chromosome X. [provided by RefSeq, Jan 2010]
UniProt Comments for CHTF8	Potential tumor suppressor. Inhibits prostate tumor cell growth, when overexpressed.
Research Articles on CHTF8	**1.** Stable interaction between the human proliferating cell nuclear antigen loader complex Ctf18-replication factor C (RFC) and DNA polymerase {epsilon} is mediated by the cohesion-specific subunits, Ctf18, Dcc1, and Ctf8.
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