ZC3H8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZC3H8, Polyclonal Antibody
Full Product Name	ZC3H8, NT (ZC3H8, ZC3HDC8, Zinc finger CCCH domain-containing protein 8) (MaxLight 405)
Product Gene Name	anti-ZC3H8 antibody
Product Synonym Names	ZC3H8; ZC3HDC8; Zinc finger CCCH domain-containing protein 8
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	33,576 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (112973439..113012664, complement). Location: 2q13
3D Structure	ModBase 3D Structure for Q8N5P1
Immunogen	ZC3H8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-90 amino acids from the N-terminal region of human ZC3H8.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-ZC3H8 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-ZC3H8 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-ZC3H8 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-ZC3H8 antibody	Acts as a transcriptional repressor of the GATA3 promoter. Sequence-specific DNA-binding factor that binds to the 5'-AGGTCTC-3' sequence within the negative cis-acting element intronic regulatory region (IRR) of the GATA3 gene (By similarity). Induces thymocyte apoptosis when overexpressed, which may indicate a role in regulation of thymocyte homeostasis.
Product References and Citations for anti-ZC3H8 antibody	Lamesch, P., et al. Genomics 89(3):307-315(2007). Hwang, E.S., et al. Immunology 106(4):464-469(2002). Hwang, E.S., et al. J. Immunol. 169(1):248-253(2002).
Other Notes	Small volumes of anti-ZC3H8 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 ZC3H8 purchase	MBS6364847 is an antibody targeting ZC3H8. Also known as ZC3H8, NT (ZC3H8, ZC3HDC8, Zinc finger CCCH domain-containing protein 8) (MaxLight 405). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZC3H8. It may not necessarily be applicable to this product.

NCBI GI #	217416362
NCBI GeneID	84524
NCBI Accession #	NP_115883.2
UniProt Primary Accession #	Q8N5P1
UniProt Secondary Accession #	Q9BZ75
UniProt Related Accession #	Q8N5P1
GenBank Nucleotide #	NM_032494.2
NCBI Official Full Name	zinc finger CCCH domain-containing protein 8
NCBI Official Synonym Full Names	zinc finger CCCH-type containing 8
NCBI Official Symbol	ZC3H8
NCBI Official Synonym Symbols	Fliz1; ZC3HDC8
UniProt Protein Name	Zinc finger CCCH domain-containing protein 8
Protein Family	Zinc finger CCCH domain-containing protein
UniProt Gene Name	ZC3H8
UniProt Synonym Gene Names	ZC3HDC8
UniProt Entry Name	ZC3H8_HUMAN
NCBI Protein Information	zinc finger CCCH domain-containing protein 8; zinc finger CCCH type domain containing 8; zinc finger CCCH-type domain containing 8
UniProt Comments for ZC3H8	ZC3H8: Acts as a transcriptional repressor of the GATA3 promoter. Sequence-specific DNA-binding factor that binds to the 5'-AGGTCTC-3' sequence within the negative cis-acting element intronic regulatory region (IRR) of the GATA3 gene. Induces thymocyte apoptosis when overexpressed, which may indicate a role in regulation of thymocyte homeostasis. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 2q13 Cellular Component: Cajal body; transcription elongation factor complex; nucleus Molecular Function: protein binding; sequence-specific DNA binding; metal ion binding; transcription factor activity Biological Process: response to antibiotic; apoptosis; snRNA transcription from RNA polymerase II promoter; positive regulation of transcription from RNA polymerase III promoter; T cell homeostasis; negative regulation of T cell differentiation in the thymus; negative regulation of transcription, DNA-dependent; snRNA transcription from RNA polymerase III promoter
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