

ZC3H3 Rabbit pAb

Catalog # AP99066

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8IXZ2
Other Accession	Q8IXZ2
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101941
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZC3H3
Epitope Specificity	851-948/948
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 5 C3H1-type zinc fingers.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ZC3HDC3 is a 948 amino acid protein that contains five C3H1-type zinc finger domains. ZC3HDC3 plays a regulatory role in nuclear adenylation and export. Two isoforms of ZC3H13 exists as a result of alternative splicing events. The gene encoding ZC3H13 maps to chromosome 8, which encodes about 800 genes. Translocation of portions of chromosome 8 with amplifications of the c-Myc gene are found in some leukemias and lymphomas, and typically associated with a poor prognosis. Portions of chromosome 8 have been linked to schizophrenia and bipolar disorder. Trisomy 8, also known as Warkany syndrome 2, most often results in early miscarriage but is occasionally seen in a mosaic form in surviving patients who suffer to a varying degree from a number of symptoms including retarded mental and motor development, and certain facial and developmental defects.

Additional Information

Gene ID	23144
Other Names	SMICL; ZC3HDC3; ZC3H3_HUMAN; ZC3H3; Smad-interacting CPSF-like factor; KIAA0150; zinc finger CCCH-type containing 3; zinc finger CCCH-type domain containing 3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ZC3H3
Function	Required for the export of polyadenylated mRNAs from the nucleus (PubMed: 19364924). Enhances ACVR1B-induced SMAD-dependent transcription. Binds to single-stranded DNA but not to double-stranded DNA in vitro. Involved in RNA cleavage (By similarity).
Cellular Location	Nucleus {ECO:0000250 UniProtKB:Q8CHP0}.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.