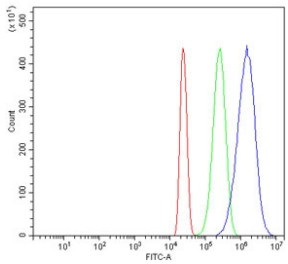
ZC3H7A Antibody (RQ6696)

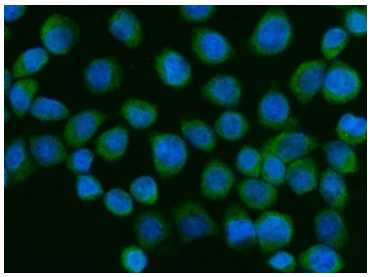
Catalog No.	Formulation	Size
RQ6696	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

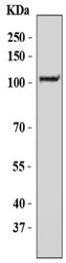
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8IWR0
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This ZC3H7A antibody is available for research use only.



Flow cytometry testing of human HL60 cells with ZC3H7A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ZC3H7A antibody.



Immunofluorescent staining of FFPE human SiHa cells with ZC3H7A antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human K562 cell lysate with ZC3H7A antibody. Predicted molecular weight ~111 kDa.

Description

ZC3H7A (Zinc Finger CCCH-Type Containing 7A, also known as ZC3H7; HSPC055; ZC3HDC7), a member of CCCH gene family, is located on human chromosome 16p13.13. ZC3H7A is associated with some diseases, including Endometrial Stromal Tumor and Endometrial Stromal Sarcoma. An important paralog of this gene is ZC3H7B. The CCCH zinc finger motif has been found in proteins from organisms ranging from man to yeast. The CCCH proteins are a large family of zinc finger containing C3H-type motifs and much evidences proved that they may be RNA-binding proteins functioning in RNA processing. In mouse, tristetraprolin, a protein containing two CCCH zinc fingers, binds directly to AU-rich elements within the 3'-untranslated region of target transcripts to facilitate mRNA degradation. Zfp36l2, like its better-known relative TTP, is a mRNA-binding and destabilizing protein, functions in the physiological control of female fertility at the level of early embryonic development. The PIE-1 is an essential regulator of Caenorhabditis elegans germ cell fate that segregates with the germ lineage by inhibition of transcription or activation of protein expression from maternal RNAs.

Application Notes

Optimal dilution of the ZC3H7A antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q13-R717) was used as the immunogen for the ZC3H7A antibody.

Storage

After reconstitution, the ZC3H7A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.