

ZNF516 Rabbit pAb

Catalog # AP98559

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q92618
Other Accession	Q92618
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124289
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Human ZNF516
Epitope Specificity	201-330/1163
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the krueppel C2H2-type zinc-finger protein family. Contains 10 C2H2-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	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. As a member of the krueppel C2H2-type zinc-finger protein family, ZNF516 is a 1,163 amino acid nuclear protein that contains ten C2H2-type zinc-fingers. The gene encoding ZNF516 maps to human chromosome 18, in a region that is frequently found to be affected in 18q deletion syndrome, a multiple-anomaly mental retardation syndrome that is associated with congenital aural atresia.

Additional Information

Gene ID	9658
Other Names	HsT287; ZN516_HUMAN; ZNF516; KIAA0222; zinc finger protein 516
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=3ug/Test
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	ZNF516 (HGNC:28990)
Function	Transcriptional regulator that binds to the promoter and activates the transcription of genes promoting brown adipose tissue (BAT) differentiation. Among brown adipose tissue-specific genes, binds the proximal region of the promoter of the UCP1 gene to activate its transcription and thereby regulate thermogenesis (By similarity). May also play a role in the cellular response to replication stress (PubMed: 23446422).
Cellular Location	Nucleus {ECO:0000250 UniProtKB:Q7TSH3}.

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