10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ZNF274 Rabbit pAb

Catalog # AP98619

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96GC6
Other Accession	Q96GC6
Predicted	Rat, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74177
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZNF274
Epitope Specificity	251-350/653
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 5 C2H2-type zinc fingers. Contains 2 KRAB domains. Contains 1 SCAN box domain.
SUBUNIT	Interacts with SETDB1 and TRIM28/KAP1.
Post-translational modifications	Ubiquitinated by TRAF6 at Lys-15 through 'Lys-63'-linked polyubiquitination. 'Lys-63'-linked polyubiquitination occurs in response to NGFR/p75(NTR) cleavage by gamma-secretase and promotes binding with the ICD cleavage product of NGFR/p75(NTR), followed by tranlocation into the nucleus and subsequent apoptosis.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a zinc finger protein containing five C2H2-type zinc finger domains, one or two Kruppel-associated box A (KRAB A) domains, and a leucine-rich domain. The encoded protein has been suggested to be a transcriptional repressor. It localizes predominantly to the nucleolus. Alternatively spliced transcript variants encoding different isoforms exist. These variants utilize alternative polyadenylation signals. [provided by RefSeq, Jul 2008] 74kDa(hu); 94kDa(mo,rat);

Additional Information

Gene ID	10782
Other Names	HFB101; ZF2; ZKSCAN19; ZSCAN51; ZN274_HUMAN; ZNF274; Zinc finger protein 274; Zinc finger protein HFB101; Zinc finger protein with KRAB and SCAN domains 19; Zinc finger protein zfp2 (Zf2)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

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	ZNF274
Synonyms	ZKSCAN19
Function	Probable transcription repressor. Specifically binds to the 3'-end of zinc-finger coding genes and recruiting chromatin-modifying proteins such as SETDB1 and TRIM28/KAP1, leading to transcription repression. The SETDB1-TRIM28-ZNF274 complex may play a role in recruiting ATRX to the 3'-exons of zinc-finger coding genes with atypical chromatin signatures to establish or maintain/protect H3K9me3 at these transcriptionally active regions (PubMed:27029610).
Cellular Location	Cytoplasm. Nucleus, nucleolus

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