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ZNF238 Rabbit pAb

Catalog # AP97578

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q99592
Other Accession	Q99592
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58354
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZNF238
Epitope Specificity	351-450/522
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 1 BTB (POZ) domain. Contains 4 C2H2-type zinc fingers.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
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 C2H2-type zinc finger protein which acts a transcriptional repressor of genes involved in neuronal development. The encoded protein recognizes a specific sequence motif and recruits components of chromatin to target genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Additional Information

Gene ID	10472
Other Names	C1DELq42q44; C1DELq43q44; C2H2-171; DEL1Q42Q44; DEL1Q43Q44; MRD22; RP58; TAZ-1; ZNF238; Zfp238; Znf238.; zfp-238; ZBT18_HUMAN; ZBTB18; 58 kDa repressor protein; Transcriptional repressor RP58; Translin-associated zinc finger protein 1 (TAZ-1); Zinc finger protein 238; Zinc finger protein C2H2-171; TAZ1; ZBT18_MOUSE; Zinc finger protein 238 (Zfp-238); ZBT18_RAT; 58 kDa repressor protein (rRP58); zinc finger and BTB domain containing 18
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	ZBTB18
Synonyms	RP58, TAZ1, ZNF238
Function	Transcriptional repressor that plays a role in various developmental processes such as myogenesis and brain development. Plays a key role in myogenesis by directly repressing the expression of ID2 and ID3, 2 inhibitors of skeletal myogenesis. Also involved in controlling cell division of progenitor cells and regulating the survival of postmitotic cortical neurons. Specifically binds the consensus DNA sequence 5'-[AC]ACATCTG[GT][AC]-3' which contains the E box core, and acts by recruiting chromatin remodeling multiprotein complexes. May also play a role in the organization of chromosomes in the nucleus.
Cellular Location	Nucleus. Note=Associates with condensed chromatin
Tissue Location	Lymphoid tissues, testis, heart, brain, skeletal muscle, and pancreas and, at much lower level, other tissues

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