



Rabbit Anti-ZNF238 antibody

SL7195R

Product Name:	ZNF238
Chinese Name:	Zinc finger protein238抗体
Alias:	58 kDa repressor protein; C2H2 171; C2H2171; RP58; TAZ 1; TAZ-1; TAZ1; Transcriptional repressor RP58; Translin associated zinc finger protein 1; Translin-associated zinc finger protein 1; ZBTB18; Zinc finger and BTB domain containing protein 18; Zinc finger and BTB domain-containing protein 18; Zinc finger protein 238; Zinc finger protein C2H2 171; Zinc finger protein C2H2-171; ZN238_HUMAN; ZNF238.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	58kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ZNF238:351-450/522
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

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 (By similarity). 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.

Subcellular Location:

Nucleus. Associates with condensed chromatin.

Tissue Specificity:

Lymphoid tissues, testis, heart, brain, skeletal muscle, and pancreas and, at much lower level, other tissues.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Contains 1 BTB (POZ) domain.
Contains 4 C2H2-type zinc fingers.

SWISS:

Q99592

Gene ID:

10472

Database links:

[Entrez Gene: 10472](#) Human

[Entrez Gene: 30928](#) Mouse

[Entrez Gene: 64619](#) Rat

[Omim: 608433](#) Human

[SwissProt: Q99592](#) Human

[SwissProt: Q9WUK6](#) Mouse

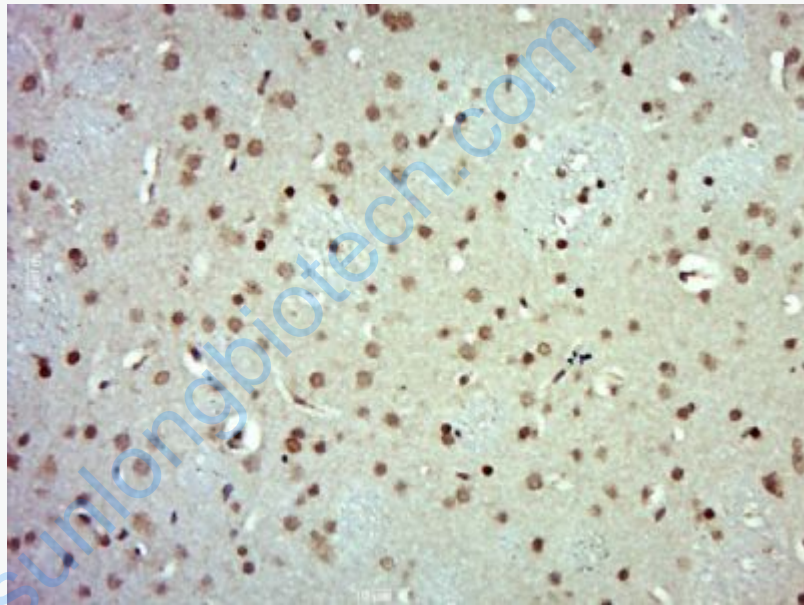
[SwissProt: Q9JKY3](#) Rat

[Unigene: 69997](#) Human

[Unigene: 207206](#) Rat

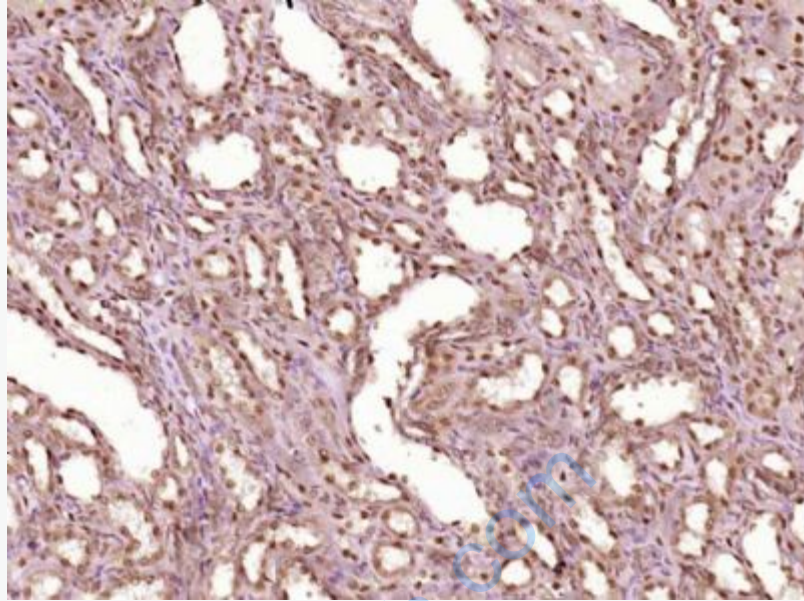
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

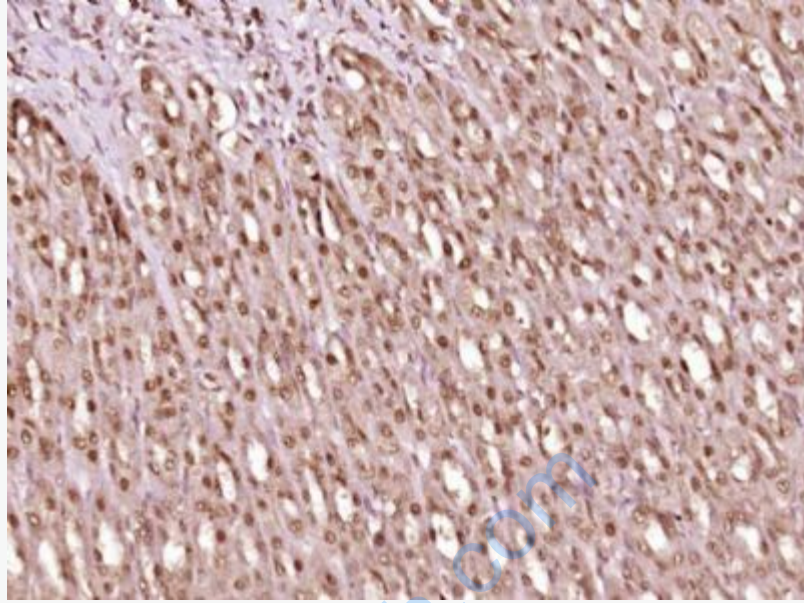


Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZNF238) Polyclonal Antibody, Unconjugated (SL7195R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZNF238) Polyclonal Antibody, Unconjugated (SL7195R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZNF238) Polyclonal Antibody, Unconjugated (SL7195R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.