SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-ZNF81 antibody

SL12210R

Product Name:	ZNF81
Chinese Name:	Zinc finger protein81抗体
Alias:	HFZ20; Zinc finger protein 81; ZNF81; ZNF81_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=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:	76kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human ZNF81:601-661/661
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:	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. ZNF81, also known as HFZ20 or MRX45, is a transcriptional regulator belonging to the Krüppel C2H2-type zinc-finger protein family. It localizes to the nucleus and contains 12 C2H2-type zinc fingers and 1 KRAB

domain. Mutations in the gene encoding ZNF81 are implicated in nonsyndromic X-linked mental retardation (XLMR).

Function:
May be involved in transcriptional regulation.

Subcellular Location:
Nucleus.

DISEASE:
Defects in ZNF81 are the cause of mental retardation X-linked type 45 (MRX45) [MIM:300498]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs. Note=A chromosomal aberration involving ZNF81 is found in a severe mental retardation patient. Translocation t(X;9)(p11.23;q34.3).

Similarity:
Belongs to the krueppel C2H2-type zinc-finger protein family.
Contains 12 C2H2-type zinc fingers.
Contains 1 KRAB domain.

SWISS:
P51508

Gene ID:
347344

Database links:

Entrez Gene: 347344Human

Omim: 314998Human

SwissProt: P51508Human

SwissProt: Q5JRF1Human

Unigene: 114246Human

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