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

Rabbit Anti-C10orf63 antibody

SL9773R

Product Name:	C10orf63
Chinese Name:	10号染色体开放阅读框63抗体
Alias:	DKFZp781F21103; Chromosome 10 open reading frame 63; ENKUR; Enkurin; ENKUR_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human C10orf63/Enkurin:181-256/256
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:	Enkurin is a 256 amino acid adapter protein that brings signal transduction proteins and transient receptor potential canonical (TRPC) cation channels into contact. Localizing to the acrosomal crescent and flagellar principal piece of sperm, Enkurin contains one IQ domain which it uses to bind CaM (calmodulin). Enkurin is highly expressed in testis and vomeronasal organ, but is also found at lower levels in brain, ovary, heart and lung. The gene encoding Enkurin maps to human chromosome 10, which contains over

800 genes and 135 million nucleotides. PTEN is an important tumor suppressor gene located on chromosome 10 and, when defective, causes a genetic predisposition to cancer development known as Cowden syndrome. Other chromosome 10 associated disorders include Cockayne syndrome, tetrahydrobiopterin deficiency and trisomy 10.

Function:
Adapter that functions to localize a calcium-sensitive signal transduction machinery in sperm to a calcium-permeable ion channel (By similarity).

Subunit:
Binds calmodulin via its IQ domain. Interacts with TRPC1, TRPC2, TRPC5, but not TRPC3 (By similarity).

Subcellular Location:
Cell projection, cilium, flagellum. Note=Sperm acrosomal crescent and flagellar principal piece.

Similarity:
Contains 1 IQ domain.

SWISS:
Q8TC29

Gene ID:
219670

Database links:

Entrez Gene: 219670Human

Entrez Gene: 71233Mouse

GenBank: NM_145010Human

Omim: 611025Human

SwissProt: Q8TC29Human

SwissProt: Q6SP97Mouse

Unigene: 534486Human

Unigene: 27658Mouse

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