



Rabbit Anti-ZNF131 antibody

SL12233R

Product Name:	ZNF131
Chinese Name:	Zinc finger protein131抗体
Alias:	pHZ 10; pHZ10; Zinc finger protein 131; ZN131 HUMAN; ZNF 131; Znf131.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,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:	71kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human ZNF131:351-460/623
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 癢 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癢. 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 癢.
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 Kruppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. As a member of the krueppel C2H2-type zinc-finger protein family, ZNF131 (Zinc finger protein 131) is a 623 amino acid nuclear

protein that contains one BTB (POZ) domain and six C2H2-type zinc fingers. With predominant expression found in brain, it is likely that ZNF131 plays a role as a transcription regulator during development and organogenesis of the adult central nervous system. ZNF131 also represses ER Alpha (Estrogen receptor alpha)-mediated transactivation by interrupting ER binding to the estrogen-response element. There are two isoforms of ZNF131 that are produced as a result of alternative splicing events.

Function:

May be involved in transcriptional regulation. Plays a role during development and organogenesis as well as in the function of the adult central nervous system.

Subcellular Location:

Nucleus.

Tissue Specificity:

Predominant expression is found in different brain areas such as the occipital and temporal lobe, the nucleus caudatus, hippocampus, and the cerebellum as well as in testis and thymus.

Post-translational modifications:

Sumoylation by CBX4 at Lys-601 may potentiate the negative effect on estrogen signaling.

Similarity:

Belongs to the krueppel C2H2-type zinc-finger protein family.
Contains 1 BTB (POZ) domain.
Contains 6 C2H2-type zinc fingers.

SWISS:

P52739

Gene ID:

7690

Database links:

[Entrez Gene: 541143](#)Cow

[Entrez Gene: 7690](#)Human

[Omin: 604073](#)Human

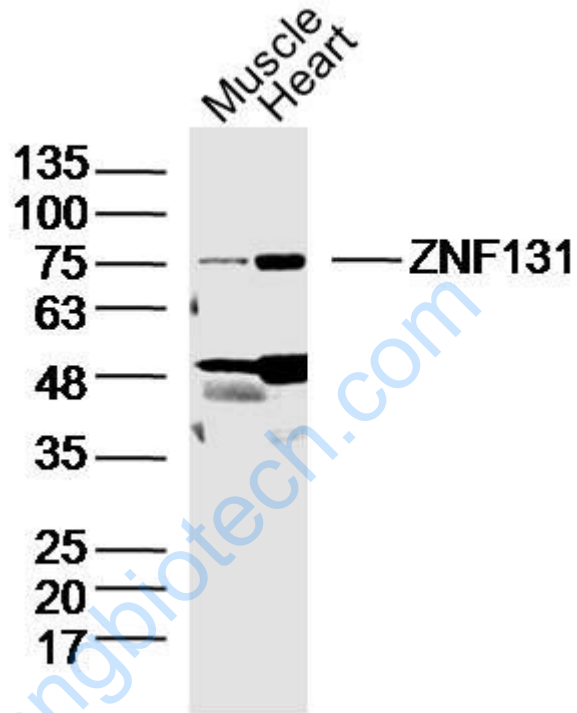
[SwissProt: P52739](#)Human

[Unigene: 535804](#)Human

Important Note:

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

Picture:



Sample:

Muscle (Mouse) Lysate at 40 ug

Heart (Mouse) Lysate at 40 ug

Primary: Anti- ZNF131 (SL12233R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 71kD

Observed band size: 75kD