SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DNA Polymerase epsilon antibody

Catalog Number: SL14355R

FOR RESEARCH USE ONLY

[DATASHEET]

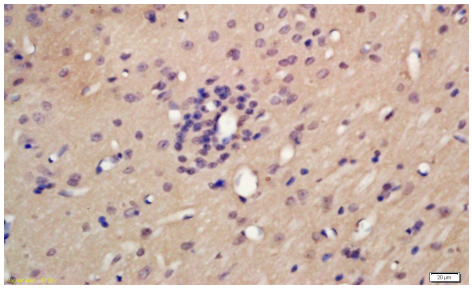
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DNA Polymerase epsilon
Immunogen:	KLH conjugated synthetic peptide derived from human DNA Polymerase epsilon: 51-147/147
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse)
Predicted MW.:	16kDa
Subcellular Location:	The nucleus
Background:	OLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.[supplied by OMIM, Apr 2004] **Function:** Forms a complex with DNA polymerase epsilon subunit CHRAC1 and binds naked DNA, which is then incorporated into chromatin, aided by the nucleosome-remodeling activity of ISWI/SNF2H and ACF1. **Subcellular Location:** Nucleus. **Tissue Specificity:** Expressed in all tissues tested, including, heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. **Database links:** **Entrez Gene:** 54107 Human

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

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	Entrez Gene: 417275 Chicken **Entrez Gene:** 510678 Cow **Entrez Gene:** 59001 Mouse **Entrez Gene:** 100362333 Rat **Entrez Gene:** 298098 Rat Omim: 607267 Human **SwissProt:** Q3SZN5 Cow **SwissProt:** Q9NRF9 Human **SwissProt:** Q9JKP7 Mouse **SwissProt:** Q642A5 Rat **Unigene:** 108112 Human **Unigene:** 27444 Mouse **Unigene:** 3290 Rat

[VALIDATION IMAGES]



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-DNA Polymerase epsilon Polyclonal Antibody, Unconjugated(SL14355R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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