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

[Primary Antibody]

Rabbit Anti-Cyclophilin E antibody

Catalog Number: SL14138R

FOR RESEARCH USE ONLY

[DATASHEET]

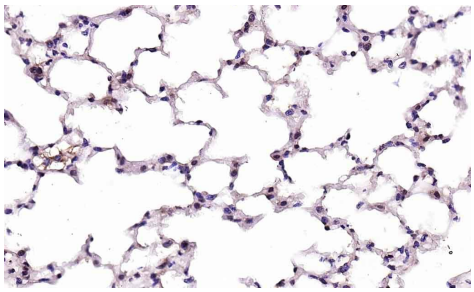
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Cyclophilin E
Immunogen:	KLH conjugated synthetic peptide derived from human Cyclophilin E: 201-301/301
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. 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:	Mouse,Rat(predicted:Human,Dog,Cow,Horse)
Predicted MW.:	33kDa
Subcellular Location:	The nucleus
Background:	The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein contains a highly conserved cyclophilin (CYP) domain as well as an RNA-binding domain. It was shown to possess PPIase and protein folding activities, and it also exhibits RNA-binding activity. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 1, has been identified. [provided by RefSeq, Aug 2010] **Function:** PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Combines RNA-binding and PPIase activities. May be involved in muscle- and brain-

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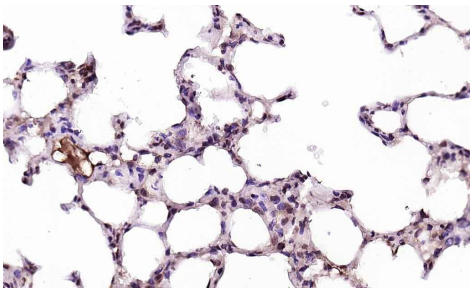
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	specific processes. May be involved in pre-mRNA splicing. **Subcellular Location:** Nucleus. **Tissue Specificity:** Found in all the examined tissues including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. **Similarity:** Belongs to the cyclophilin-type PPIase family. PPIase E subfamily. Contains 1 PPIase cyclophilin-type domain. Contains 1 RRM (RNA recognition motif) domain. **Database links:** **Entrez Gene:** 10450 Human **Entrez Gene:** 787681 Cow **Entrez Gene:** 56031 Mouse **Entrez Gene:** 298508 Rat Omim: 602435 Human **SwissProt:** A4FV72 Cow **SwissProt:** Q9UNP9 Human **SwissProt:** Q9QZH3 Mouse **Unigene:** 524690 Human **Unigene:** 126873 Mouse **Unigene:** 18887 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (mouse lung); 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 (Cyclophilin E) Polyclonal Antibody, Unconjugated (SL14138R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat lung); 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 (Cyclophilin E) Polyclonal Antibody, Unconjugated (SL14138R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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