



## Rabbit Anti-Limd1 antibody

SL7336R

<b>Product Name:</b>	Limd1
<b>Chinese Name:</b>	LIM结构域蛋白1抗体
<b>Alias:</b>	AW822033; D9Ert192e; LIM domain-containing protein 1; LIM domains containing 1; LIMD1; LIMD1_HUMAN; OTTHUMP00000164657; OTTHUMP00000210317; rCG_25194.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	72kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Limd1:21-120/676
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The Zyxin family of proteins contains five members: Ajuba, Limd1, LPP, TRIP6 and Zyxin. Limd1 (LIM domain-containing protein 1) is a ubiquitously expressed tumor suppressor containing 3 LIM zinc-binding domains. LIM domains consist of a cysteine-rich consensus sequence containing two distinct zinc-binding subdomains, which mediate protein-protein interactions. Limd1 interacts with the proteins SQSTM1, Rb,

p62 and TRAF6. Limd1 was first identified when the deletion of its gene was noted in some cervical cancers. Limd1 blocks in vitro and in vivo tumor growth and is down-regulated in lung cancer. Limd1 may regulate osteoclast development under stressful conditions via its interactions with TRAF6 and p62.

**Function:**

Transcriptional regulator that inhibits E2F-mediated transcription, and suppresses the expression of the majority of genes with E2F1-responsive elements. May act as a tumor suppressor by inhibiting cell proliferation.

**Subunit:**

Interacts (via LIM domains) with TRAF6. Found in a complex with TRAF6, PRKCZ and SQSTM1. Interacts (via LIM domains) SNAI2/SLUG (via SNAG domain) and SCRT1 (via SNAG domain) (By similarity). Interacts with SQSTM1 and RB1. Found in a complex composed of LIMD1, VHL, EGLN1/PHD2, TCEB2 AND CUL2. Interacts with EIF4E, EIF2C1, EIF2C2, DCP2, DDX6, LATS1, LATS2, EGLN1/PHD2, EGLN2/PHD1 and EGLN3/PHD3. Interacts (via LIM zinc-binding 2) with isoform 1 and isoform 3 of VHL. Interacts (via LIM domains) with SNAI1 (via SNAG domain).

**Subcellular Location:**

Cytoplasm. Nucleus. Shuttles between cytoplasm and nucleus but is localized predominantly to the cytoplasm. Found in the nucleus but not nucleoli.

**Tissue Specificity:**

Ubiquitous.

**Post-translational modifications:**

Phosphorylated during mitosis.

**Similarity:**

Belongs to the zyxin/ajuba family.  
Contains 3 LIM zinc-binding domains.

**SWISS:**

Q9UGP4

**Gene ID:**

8994

**Database links:**

[Entrez Gene: 8994](#)Human

[Entrez Gene: 29806](#)Mouse

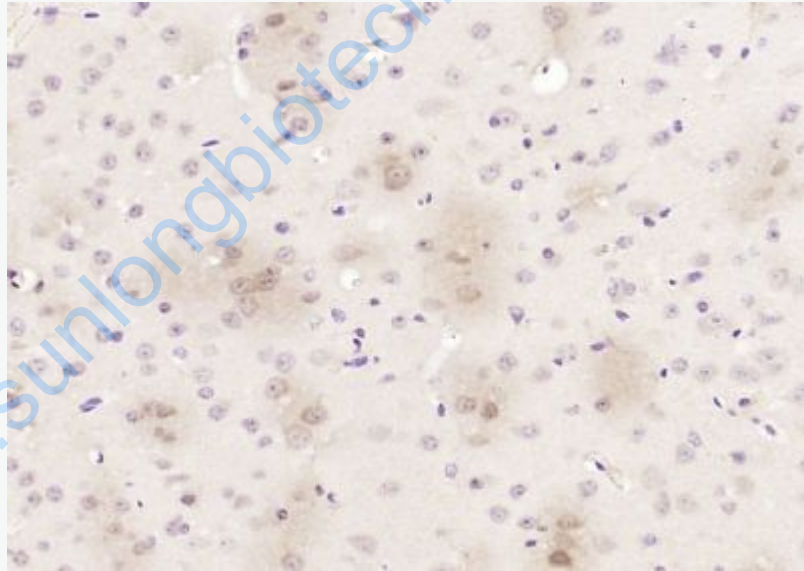
[Entrez Gene: 316101](#)Rat

[Oimim: 604543](#)Human  
[SwissProt: Q9UGP4](#)Human  
[SwissProt: Q9QXD8](#)Mouse  
[SwissProt: B5DEH0](#)Rat  
[Unigene: 193370](#)Human  
[Unigene: 621057](#)Human  
[Unigene: 10987](#)Mouse

**Important Note:**

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

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (Limd1) Polyclonal Antibody, Unconjugated (SL7336R) at 1:200 overnight at 4°C, followed by operating according to SP

	Kit(Rabbit) (sp-0023) instructions and DAB staining.
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