SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-A2LD1 antibody

Catalog Number: SL11381R

FOR RESEARCH USE ONLY

[DATASHEET]

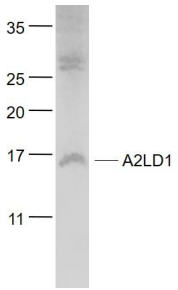
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	A2LD1
Immunogen:	KLH conjugated synthetic peptide derived from human A2LD1: 1-50/153
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 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:	Human, Mouse, Rat, (predicted: Dog, Horse, Rabbit)
Predicted MW.:	17kDa
Subcellular Location:	Extracellular matrix Secretory protein
Background:	A2LD1 is a 153 amino acid protein belonging to the gamma-glutamylcyclotransferase family. A2LD1 contains two exons, with only the second exon coding, and spans 2.2 kb. Consisting of a monomer subunit, A2LD1 participates in acyltransferase and gamma-glutamylcyclotransferase activities. A2LD1 assists with the breakdown of proteins cross-linked by transglutaminases. A2LD1 also catalyzes the formation of 5-oxoproline from L-gamma-glutamyl-L-epsilon-lysine, but is inactive with L-gamma-glutamyl-alpha-amino acid substrates, such as L-gamma-glutamyl-L-alpha-cysteine and L-gamma-glutamyl-L-alpha-alanine. A2LD1 is encoded by a gene that maps to human chromosome 13q32.3. **Function:** Contributes to degradation of proteins cross-linked by transglutaminases. Degrades the cross-link between a lysine and a glutamic

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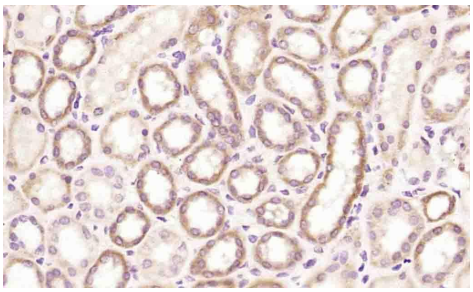
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	acid residue from two proteins that have been cross-linked by transglutaminases. Catalyzes the formation of 5-oxoproline from L-gamma-glutamyl-L-epsilon-lysine. Inactive with L-gamma-glutamyl-alpha-amino acid substrates such as L-gamma-glutamyl-L-alpha-cysteine and L-gamma-glutamyl-L-alpha-alanine. **Subunit:** Monomer. **Similarity:** Belongs to the gamma-glutamylcyclotransferase family. **Database links:** **Entrez Gene:** 87769 Human Omim: 613378 Human **SwissProt:** Q9BVM4 Human **Unigene:** 350868 Human

[VALIDATION IMAGES]



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti- A2LD1 (SL11381R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 17 kD
Observed band size: 17 kD



Paraformaldehyde-fixed, paraffin embedded (Human kidney); 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 (A2LD1) Polyclonal Antibody, Unconjugated (SL11381R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

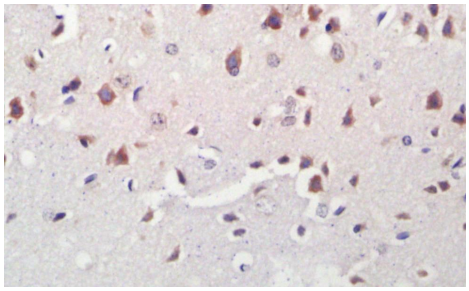
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Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-A2LD1 Polyclonal Antibody, Unconjugated(SL11381R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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