# antibodies - online.com







# anti-ELTD1 antibody (AA 301-400)







#### Overview

Quantity:	100 μL
Target:	ELTD1
Binding Specificity:	AA 301-400
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELTD1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human ETL/ELTD1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Horse
Purification:	Purified by Protein A.

## **Target Details**

Target: ELTD1
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## **Target Details**

Alternative Name:	ETL/ELTD1 (ELTD1 Products)
Background:	Synonyms: ETL, ELTD1, KPG_003, Adhesion G protein-coupled receptor L4, EGF, latrophilin and seven transmembrane domain-containing protein 1, EGF-TM7-latrophilin-related protein, ETL protein, ADGRL4, UNQ202/PRO228  Background: Endothelial orphan receptor that acts as a key regulator of angiogenesis.
Gene ID:	64123
UniProt:	Q9HBW9

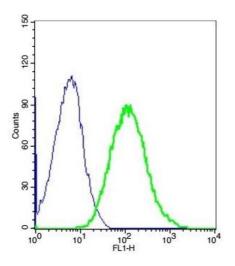
# **Application Details**

Application Notes: WB 1:300-5000  ELISA 1:500-1000  IHC-P 1:200-400  IHC-F 1:100-500  IF(IHC-P) 1:50-200  IF(IHC-F) 1:50-200  IF(ICC) 1:50-200  ICC 1:100-500	Restrictions:	For Research Use only
ELISA 1:500-1000  IHC-P 1:200-400  IHC-F 1:100-500  IF(IHC-P) 1:50-200  IF(IHC-F) 1:50-200		ICC 1:100-500
ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200		IF(ICC) 1:50-200
ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500		IF(IHC-F) 1:50-200
ELISA 1:500-1000 IHC-P 1:200-400		IF(IHC-P) 1:50-200
ELISA 1:500-1000		IHC-F 1:100-500
		IHC-P 1:200-400
Application Notes: WB 1:300-5000		ELISA 1:500-1000
	Application Notes:	WB 1:300-5000

# Handling

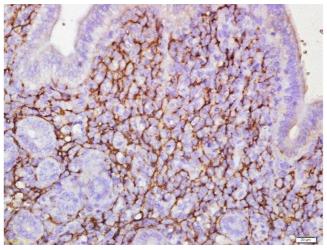
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Validation report #100001 for Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))



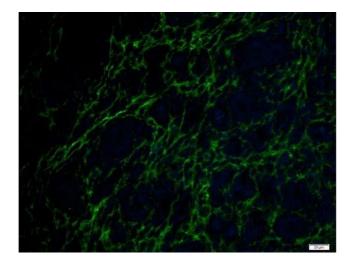
### **Flow Cytometry**

**Image 1.** Mouse kidney lysates probed with Rabbit Anti-ETL/ELTD1 Polyclonal Antibody, Unconjugated (green) at 1:100 for 30 minutes followed by a FITC conjugated secondary antibody compared to unstained cells (blue).



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Paraformaldehyde-fixed, paraffin embedded rat uterus, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with ETL/ELTD1 Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining.



#### Immunofluorescence (Paraffin-embedded Sections)

**Image 3.** Paraformaldehyde-fixed, paraffin embedded rat uterus, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with ETL/ELTD1 Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary Goat Anti-Rabbit IgG, Cy3 conjugated-FITC)used at 1:200 dilution for 40 minutes at 37°C and DAPI staining.

# ♦ Validation report #100001 for Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))



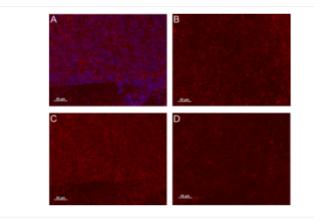
# Successfully validated (Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)))

by Memorial Sloan-Kettering Cancer Center, Parada lab

Report Number: 100001

Date: Oct 15 2015

Experimental Notes:	ABIN1713780 worked within the diution range 1:50 - 1:200; the antibody did not work well at a 1:400 dilution.
	<ul> <li>Images were taken using a Zeiss Axio2-Imaging system, 20X-0.5NA-Dry Dye-1004-072 objective, DAPI and Cy3 channel.</li> </ul>
	Imaging     Images were taken using a Zeiga Avio2 Imaging evetem 20X 0 ENA Dry Dva 1004 072
	Cover with 24x60 cover glass
	Add three drops of water-based Immu-mount
	Wash three times with PBS 5min (shake gently)
	• DAPI 1:100
	Donkey-anti-Rabbit-Cy3
	cover the chamber with foil
	<ul> <li>Incubate with secondary antibody together with DAPI at RT for 1h (Prepared in 2% NDS),</li> </ul>
	Wash three times with PBS 5min (shake gently)
	<ul> <li>Incubate with primary antibody at 4°C overnight (Prepared in 2% NDS)</li> <li>Rabbit-anti-ELTD1 antibody (ABIN1713780) diluted 1:50-1:400</li> </ul>
	Block with 10% Normal Donkey Serum (NDS) at RM for 1hour      Incubate with primary entitled wet 4°C everyight (Prepared in 2°C NDS)
	Wash three times with PBS 5min (shake gently)  Place of with 10% Neuronal Parkey Servers (NDS) at PM for the core.
	Dry slides at 50-55°C for 15-30 min (or RT for 30min)
	Immunostaining for Cryo Sections:
	in 30% sucrose, mounted in Cryo, and sectioned into 12µm sections.
Protocol:	Tumor cell transplanted mouse brain was dissected, fixed in 4% PFA for overnight, saturated
Isotype:	rabbit IgG
Secondary Antibody:	Donkey-anti-Rabbit-Cy3
Primary Antibody:	ABIN1713780
Notes:	The staining pattern was as expected for ELTD1 as membrane protein.
Positive Control:	Tumor cell transplanted mouse brain was dissected
Method validated:	Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))
rarget.	ELIDI
Target:	ELTD1



Validation image no. 1 for anti-EGF, Latrophilin and Seven Transmembrane Domain Containing 1 (ELTD1) (AA 301-400) antibody (ABIN1713780)

IF validation of ELTD1 antibody ABIN1713780 on mouse brain tumor sections. A. ABIN1713780 diluted 1:100 (red), DAPI counterstaining (blue). B. Dilution factor 1:50. C. Dilution factor 1:100. D. Dilution factor 1:200.