

## Anti-LULL1/TOR1AIP2 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 51 kDa. Actual: 51 kDa.
Purification:	Protein A purified

### Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (LULL1) Polyclonal Antibody, Unconjugated (TMAB-08449) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (LULL1) Polyclonal Antibody, Unconjugated (TMAB-08449) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

#### 3. Sample:

- Lane 1: K562 (Human) Cell Lysate at 30 µg
- Lane 2: SH-SY5Y (Human) Cell Lysate at 30 µg
- Lane 3: Hela (Human) Cell Lysate at 30 µg
- Lane 4: HUVEC (Human) Cell Lysate at 30 µg
- Lane 5: U2os (Human) Cell Lysate at 30 µg
- Lane 6: HepG2 (Human) Cell Lysate at 30 µg
- Lane 7: Liver (Mouse) Lysate at 40 µg
- Lane 8: Liver (Rat) Lysate at 40 µg
- Lane 9: Kidney (Mouse) Lysate at 40 µg
- Lane 10: Cerebrum (Mouse) Lysate at 40 µg
- Lane 11: Cerebrum (Rat) Lysate at 40 µg

#### Verified Activity:

- Primary: Anti-LULL1/TOR1AIP2 (TMAB-08449) at 1/1000 dilution
- Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
- Predicted band size: 51 kD
- Observed band size: 51 kD

#### 4. Sample:

- Placenta (Mouse) Lysate at 40 µg
- Large intestine (Mouse) Lysate at 40 µg
- Primary: Anti-LULL1/TOR1AIP2 (TMAB-08449) at 1/300 dilution
- Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
- Predicted band size: 51 kD
- Observed band size: 56 kD

#### 5. Sample: Small intestine (Mouse) Lysate at 40 µg

- Primary: Anti-LULL1/TOR1AIP2 (TMAB-08449) at 1/300 dilution
- Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
- Predicted band size: 51 kD
- Observed band size: 56 kD

## A DRUG SCREENING EXPERT

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Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human LULL1

Antigen Species: Human

Gene ID: 163590

Uniprot ID: Q8NFQ8

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### Research Background

LULL1 is a 470 amino acid endoplasmic reticulum single-pass membrane protein belonging to the TOR1AIP family. LULL1 interacts with torsinA, an essential AAA+ ATPase found in the endoplasmic reticulum (ER) and nuclear envelope (NE) of higher eukaryotes. LULL1 regulates the distribution and activity of torsinA within the ER and NE lumen and reveals functional defects in mutant torsinA, which is responsible for DYT1 dystonia, a neurodevelopmental disease caused by an in-frame deletion (Deltagag) in the gene encoding torsinA. The gene encoding LULL1 maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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