

CLO29 (aa30-43) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3778a**Specification**

CLO29 (aa30-43) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	Q8N999
Other Accession	NP_001009894.2 , 91298
Reactivity	Human
Predicted	Pig, Sheep
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	37490

CLO29 (aa30-43) Antibody (internal region) - Additional Information**Gene ID** 91298**Other Names**

Uncharacterized protein C12orf29, C12orf29

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CLO29 (aa30-43) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CLO29 (aa30-43) Antibody (internal region) - Protein Information**Name** RLIG1 ([HGNC:25322](#))**Function**

Functions as an RNA ligase, in vitro (PubMed:36792600). The ligation reaction entails three nucleotidyl transfer steps (PubMed:36792600).

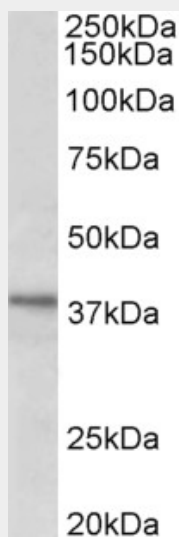
In the first step, the RNA ligase reacts with ATP in the absence of nucleic acid to form a covalent ligase-AMP intermediate and release pyrophosphate (PubMed:36792600). In step 2, the ligase-AMP binds to the nucleic acid and transfers the adenylate to the 5'-PO₄ terminus to form an adenylated intermediate (PubMed:36792600). In step 3, the RNA ligase directs the attack of the 3'-OH on the 5'-phosphoanhydride linkage, resulting in a repaired 3'-5' phosphodiester and release of AMP (PubMed:36792600). Exhibits selectivity for single-stranded RNA substrates and may not have nick-sealing activity on double-stranded DNA-RNA hybrids (PubMed:36792600). May play a role in maintaining RNA integrity under stress conditions, for example in response to reactive oxygen species (ROS) (PubMed:36792600).

CLO29 (aa30-43) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CLO29 (aa30-43) Antibody (internal region) - Images



AF3778a (1 µg/ml) staining of HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

CLO29 (aa30-43) Antibody (internal region) - Background

This antibody is expected to recognize isoform 1 (Q8N999-1) and isoform 3 (Q8N999-3) as described in UniprotKB.

CLO29 (aa30-43) Antibody (internal region) - References

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