

C12ORF29 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59435**Specification****C12ORF29 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q8N999
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37490

C12ORF29 Polyclonal Antibody - Additional Information**Gene ID** 91298**Other Names**

Uncharacterized protein C12orf29, C12orf29

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

C12ORF29 Polyclonal Antibody - Protein Information**Name** RLIG1 ([HGNC:25322](#))**Function**

Functions as an RNA ligase, in vitro (PubMed: [36792600](http://www.uniprot.org/citations/36792600)). The ligation reaction entails three nucleotidyl transfer steps (PubMed: [36792600](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/36792600)). In step 2, the ligase-AMP binds to the nucleic acid and transfers the adenylate to the 5'-PO4 terminus to form an adenylylated intermediate (PubMed: [36792600](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/36792600)). Exhibits selectivity for single-stranded RNA substrates and may not have nick-sealing activity on double-stranded DNA-RNA hybrids (PubMed: [36792600](http://www.uniprot.org/citations/36792600)).

target="_blank">36792600). May play a role in maintaining RNA integrity under stress conditions, for example in response to reactive oxygen species (ROS) (PubMed:36792600).

C12ORF29 Polyclonal Antibody - 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](#)

C12ORF29 Polyclonal Antibody - Images