

**EXDL1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55659****Specification**

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**EXDL1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q8NHP7</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58335

**EXDL1 Polyclonal Antibody - Additional Information****Gene ID** 161829**Other Names**

piRNA biogenesis protein EXD1, Exonuclease 3'-5' domain-containing protein 1  
{ECO:0000312|HGNC:HGNC:28507}, Exonuclease 3'-5' domain-like-containing protein 1  
{ECO:0000312|HGNC:HGNC:28507}, Inactive exonuclease EXD1, EXD1, EXDL1

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**EXDL1 Polyclonal Antibody - Protein Information****Name** EXD1**Synonyms** EXDL1**Function**

RNA-binding component of the PET complex, a multiprotein complex required for the processing of piRNAs during spermatogenesis. The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposable elements, preventing their mobilization, which is essential for the germline integrity (By similarity). The PET complex is required during the secondary piRNAs metabolic process for the PIWIL2 slicing-triggered loading of PIWIL4 piRNAs. In the PET complex, EXD1 probably acts as an RNA adapter. EXD1 is an inactive exonuclease (By similarity).

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:H9IUR0}. Note=Component of the meiotic nuage, also named P granule, a germ-cell- specific organelle required to repress transposon activity during

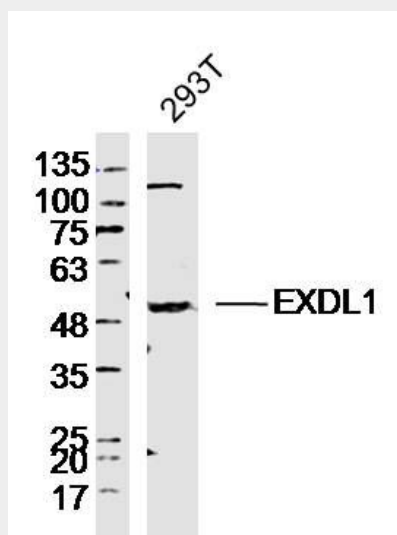
meiosis. {ECO:0000250|UniProtKB:H9IUR0}

### EXDL1 Polyclonal Antibody - Protocols

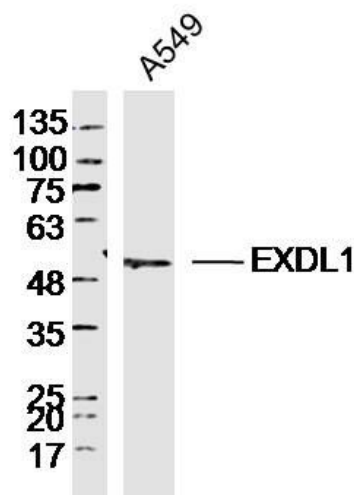
Provided below are standard protocols that you may find useful for product applications.

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

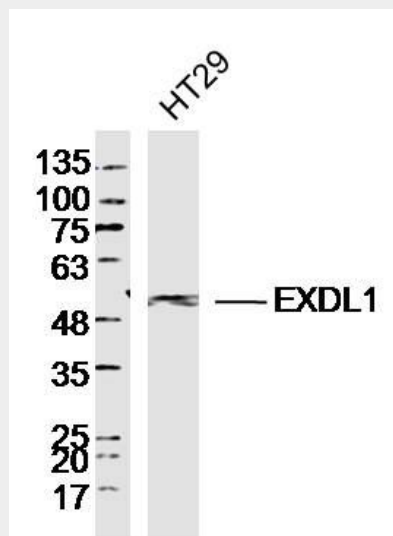
### EXDL1 Polyclonal Antibody - Images



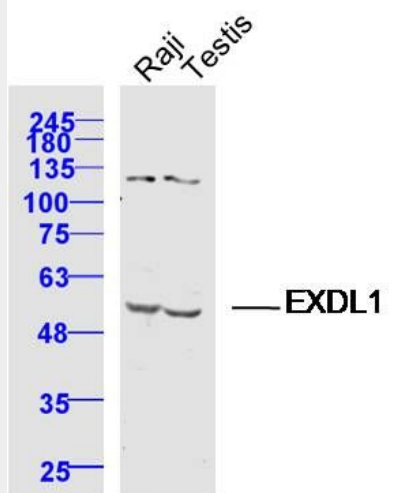
Sample: 293T (Human) Cell Lysate at 40 ug  
Primary: Anti-EXDL1(bs-14656R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 58 kD  
Observed band size: 58 kD



Sample: A549 (Human) Cell Lysate at 40 ug  
Primary: Anti-EXDL1(bs-14656R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 58 kD  
Observed band size: 52 kD



Sample: HT29 (Human) Cell Lysate at 40 ug  
Primary: Anti-EXDL1(bs-14656R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 58 kD  
Observed band size: 58 kD



**Sample:**

Raji Cell (Human) Lysate at 40 ug

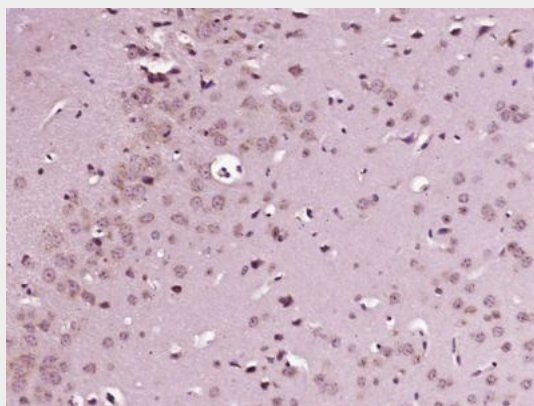
Testis (Mouse) Lysate at 40 ug

Primary: Anti-EXDL1 (bs-14656R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 58 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (EXDL1) Polyclonal Antibody, Unconjugated (bs-14656R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.