

OTUD1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56744

Specification

OTUD1 Polyclonal Antibody - Product Information

Application	IHC-P, WB
Primary Accession	Q5VV17
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51063

OTUD1 Polyclonal Antibody - Additional Information

Gene ID 220213

Other Names

OTU domain-containing protein 1, 3.4.19.12, DUBA-7, OTUD1, DUBA7, OTDC1

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.

OTUD1 Polyclonal Antibody - Protein Information

Name OTUD1 {ECO:0000303|PubMed:23827681, ECO:0000312|HGNC:HGNC:27346}

Function

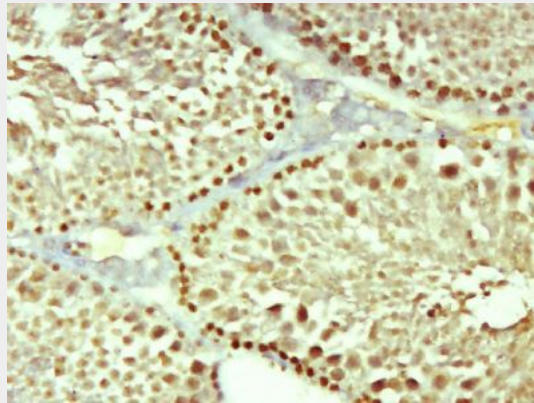
Deubiquitinating enzyme that specifically hydrolyzes 'Lys- 63'-linked polyubiquitin to monoubiquitin (PubMed:23827681). Required for the stability and translation of a subset mRNAs with a high abundance of rare codons by mediating deubiquitination of 40S ribosomal protein RPS10/eS10, thereby antagonizing ZNF598-mediated 40S ubiquitination (PubMed:36445135). The abundance of rare codons in mRNAs can limit the translation rate and can lead to ribosome collisions that trigger activation of ribosome quality control (RQC) pathway by ZNF598 (PubMed:36445135). OTUD1-mediated deubiquitination prevents activation of the RQC and subsequent dissociation of ribosomes and stimulates formation of polysomes and translation (PubMed:36445135).

OTUD1 Polyclonal Antibody - Protocols

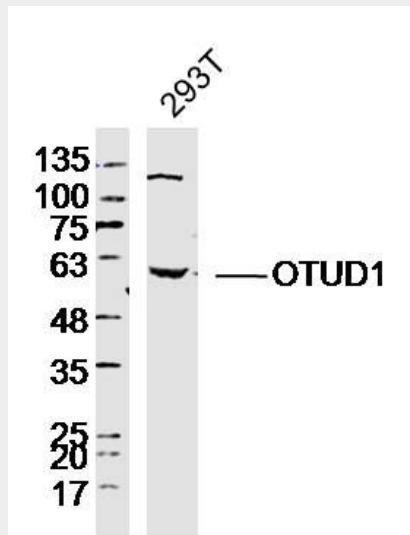
Provided below are standard protocols that you may find useful for product applications.

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

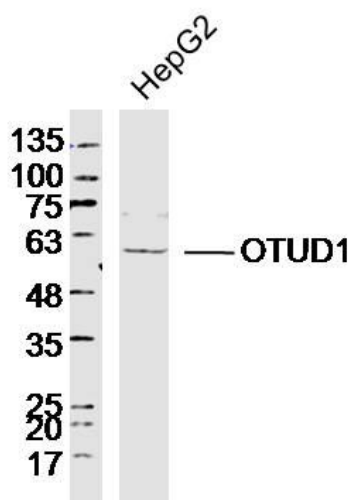
OTUD1 Polyclonal Antibody - Images



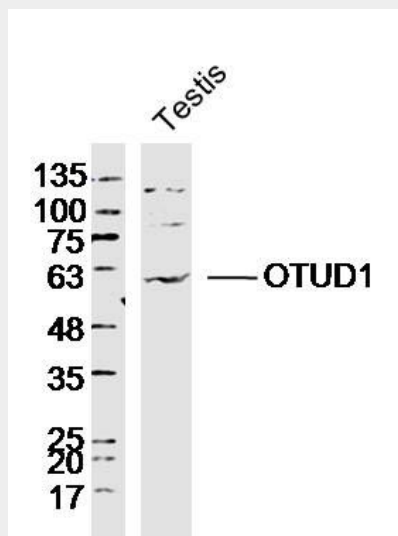
Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (OTUD1) Polyclonal Antibody, Unconjugated (bs-17563R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



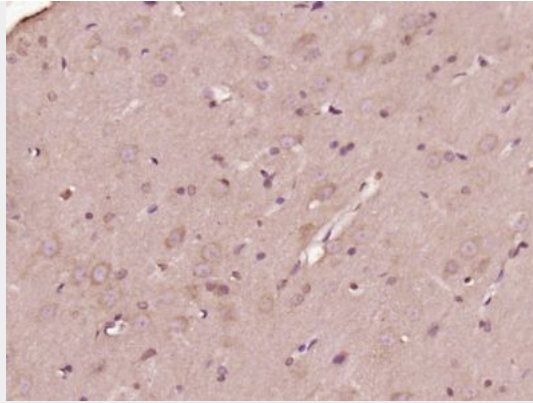
Sample: 293T (Human)Cell Lysate at 40 ug
Primary: Anti-OTUD1(bs-17563R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 51kD
Observed band size: 60kD



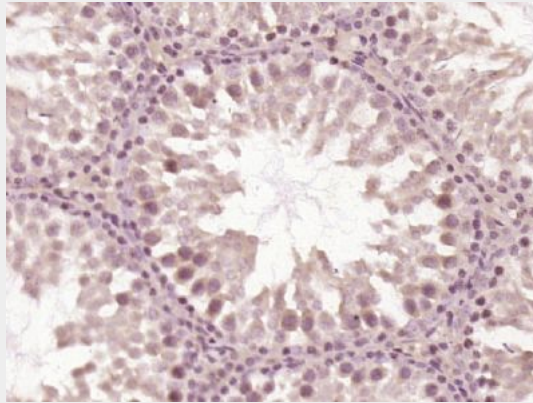
Sample: HepG2 (Human) Cell Lysate at 40 ug
Primary: Anti-OTUD1(bs-17563R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 51kD
Observed band size: 60kD



Sample: Testis (Mouse)Lysate at 40 ug
Primary: Anti-OTUD1(bs-17563R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 51kD
Observed band size: 60kD



Paraformaldehyde-fixed, paraffin embedded (Rat 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 (OTUD1) Polyclonal Antibody, Unconjugated (bs-17563R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis tissue); 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 (OTUD1) Polyclonal Antibody, Unconjugated (bs-17563R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.