

TRIT1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56571**Specification**

TRIT1 Polyclonal Antibody - Product Information

Application	IHC-P, WB
Primary Accession	O9H3H1
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52725

TRIT1 Polyclonal Antibody - Additional Information**Gene ID** 54802**Other Names**

tRNA dimethylallyltransferase, 2.5.1.75, Isopentenyl-diphosphate:tRNA isopentenyltransferase, IPP transferase, IPPT, hGRO1, tRNA isopentenyltransferase 1, IPTase, TRIT1, IPT, MOD5

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.

TRIT1 Polyclonal Antibody - Protein Information**Name** TRIT1**Synonyms** IPT, MOD5**Function**

Catalyzes the transfer of a dimethylallyl group onto the adenine at position 37 of both cytosolic and mitochondrial tRNAs, leading to the formation of N6-(dimethylallyl)adenosine (i6A37) (PubMed:11111046, PubMed:24126054, PubMed:24901367, PubMed:34774131). Mediates modification of a limited subset of tRNAs: tRNA(Ser)(AGA), tRNA(Ser)(CGA), tRNA(Ser)(UGA), as well as partial modification of the selenocysteine tRNA(Ser)(UCA) (PubMed:24126054). TRIT1 is therefore required for selenoprotein expression (PubMed:24126054).

Cellular Location

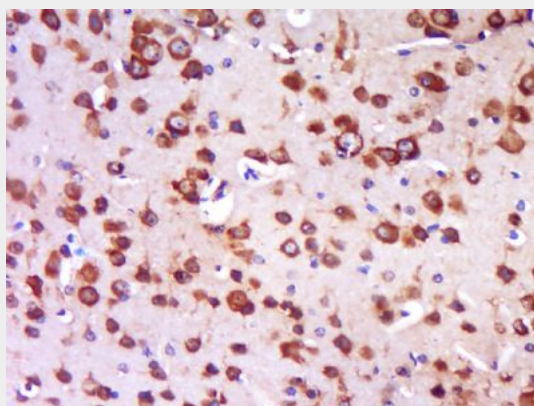
[Isoform 1]: Mitochondrion [Isoform 2]: Cytoplasm. [Isoform 5]: Cytoplasm.

TRIT1 Polyclonal Antibody - Protocols

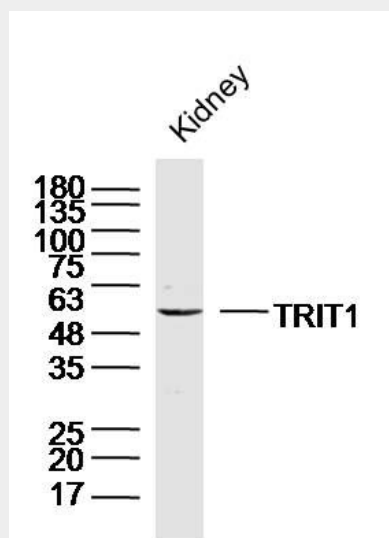
Provided below are standard protocols that you may find useful for product applications.

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

TRIT1 Polyclonal Antibody - Images

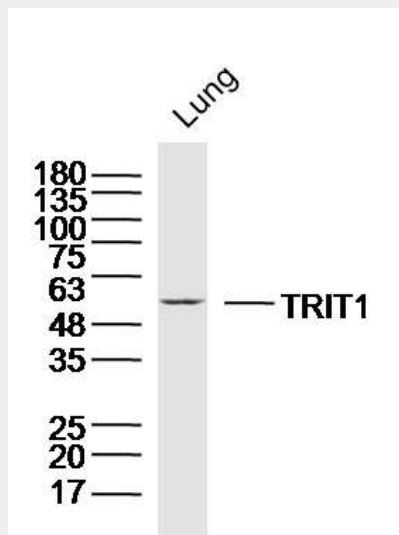


Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRIT1) Polyclonal Antibody, Unconjugated (bs-17134R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

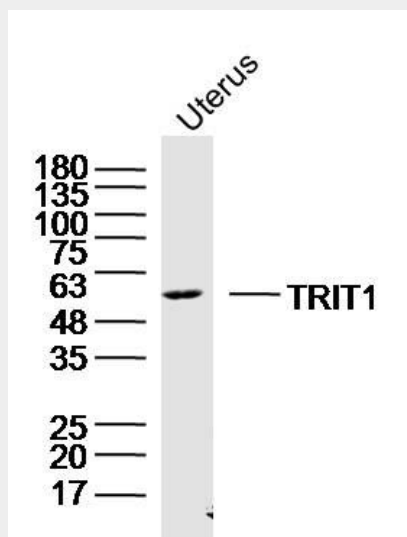


Sample: Kidney(Mouse)Lysate at 40 ug

Primary: Anti-TRIT1(bs-17134R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 48kD
Observed band size: 53kD



Sample: Lung(Mouse)Lysate at 40 ug
Primary: Anti-TRIT1(bs-17134R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 48kD
Observed band size: 53kD



Sample: Uterus(Mouse) Lysate at 40 ug
Primary: Anti-TRIT1(bs-17134R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 48kD
Observed band size: 53kD