

Endonuclease V Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55637**Specification**

Endonuclease V Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	Q8C9A2
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37174

Endonuclease V Polyclonal Antibody - Additional Information**Gene ID** 338371**Other Names**

Endonuclease V, 3.1.26.-, Endov

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.

Endonuclease V Polyclonal Antibody - Protein Information**Name** Endov**Function**

Endoribonuclease that specifically cleaves inosine-containing RNAs: cleaves RNA at the second phosphodiester bond 3' to inosine. Active against both single-stranded and double-stranded RNAs. Has strong preference for single-stranded RNAs (ssRNAs) toward double-stranded RNAs (dsRNAs). Cleaves mRNAs and tRNAs containing inosine. Also able to cleave structure-specific dsRNA substrates containing the specific sites 5'-IIUI-3' and 5'-UIUU-3'. Inosine is present in a number of RNAs following editing; the function of inosine-specific endoribonuclease is still unclear: it could either play a regulatory role in edited RNAs, or be involved in antiviral response by removing the hyperedited long viral dsRNA genome that has undergone A-to-I editing. Binds branched DNA structures.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q8N8Q3}. Nucleus, nucleolus {ECO:0000250|UniProtKB:Q8N8Q3}. Cytoplasm, Stress granule {ECO:0000250|UniProtKB:Q8N8Q3}. Note=Relocalizes to cytoplasmic stress granules upon cellular stress where it colocalizes with PABPC1 {ECO:0000250|UniProtKB:Q8N8Q3}

Tissue Location

Highest levels detected in liver with high levels also found in heart, kidney and testis. Expressed at low levels in brain.

Endonuclease V 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](#)

Endonuclease V Polyclonal Antibody - Images