

A730011L01Rik antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI13834

Product Information

Application	WB
Primary Accession	Q8C9A2
Other Accession	NM_001164636 , NP_001158108
Reactivity	Human, Mouse, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37174

Additional Information

Gene ID	338371
Alias Symbol	Endov, A730011L01Rik
Other Names	Endonuclease V, 3.1.26.-, Endov
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-A730011L01Rik antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	A730011L01Rik antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

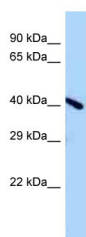
Name	Endov
Function	Endoribonuclease that specifically cleaves inosine-containing RNAs: cleaves RNA at the second phosphodiester bond 3' to inosine. Active against both single-stranded and double-stranded RNAs. Has strong preference for single-stranded RNAs (ssRNAs) toward double-stranded RNAs (dsRNAs). 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.

References

Moe A.,et al.Nucleic Acids Res. 31:3893-3900(2003).
Carninci P.,et al.Science 309:1559-1563(2005).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



WB Suggested Anti-A730011L01Rik Antibody Titration: 1.0
µg/ml
Positive Control: Mouse Brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.