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A730011L01Rik antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13834

Specification

A730011L01Rik antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q8C9A2
Other Accession	NM_001164636, NP_001158108
Reactivity	**Human, Mouse, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**37kDa KDa**

A730011L01Rik antibody - middle region - 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.

A730011L01Rik antibody - middle region - 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}

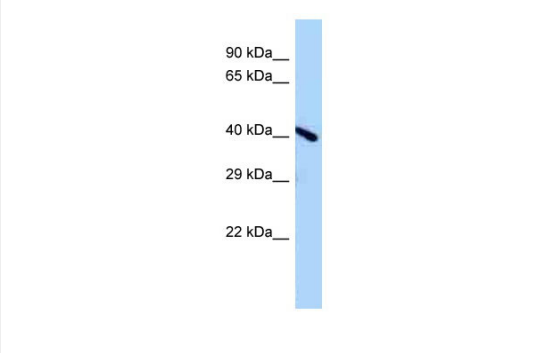
Tissue Location
Highest levels detected in liver with high levels also found in heart, kidney and testis. Expressed at low levels in brain.

A730011L01Rik antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

A730011L01Rik antibody - middle region - Images



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

A730011L01Rik antibody - middle region - 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.