

# A730011L01Rik antibody - middle region

Rabbit Polyclonal Antibody Catalog # Al13834

# **Specification**

# A730011L01Rik antibody - middle region - Product Information

Application WB
Primary Accession Q8C9A2

Other Accession <u>NM 001164636</u>, <u>NP 001158108</u>

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**

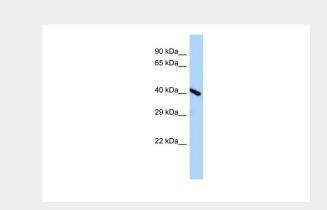
Highest levels detected in liver with high levels also found in heart, kidney and testis. Expressed at low levels in brain.

## 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
- <u>Immunoprecipitation</u>
- 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.