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## anti-ACTRT2 antibody (C-Term)



Image



Publication



| Quantity:             | 100 μL   |
|-----------------------|--|
| Target:               | ACTRT2   |
| Binding Specificity:  | C-Term   |
| Reactivity:           | Human, Mouse, Rat, Cow, Dog, Pig, Guinea Pig, Horse  |
| Host:                 | Rabbit   |
| Clonality:            | Polyclonal   |
| Conjugate:            | This ACTRT2 antibody is un-conjugated  |
| Application:          | Western Blotting (WB)  |
| Product Details       |  |
| Immunogen:            | The immunogen is a synthetic peptide directed towards the C terminal region of human ACTRT2                                      |
| Sequence:             | LDDRLLKELE QLASKDTPIK ITAPPDRWFS TWIGASIVTS LSSFKQMWVT   |
| Predicted Reactivity: | Cow: 93%, Dog: 100%, Guinea Pig: 79%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 93%, Rat: 100%                                  |
| Characteristics:      | This is a rabbit polyclonal antibody against ACTRT2. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified  |
|                       |  |
| Target Details        |  |

### Target Details

| Alternative Name:   | ACTRT2 (ACTRT2 Products)   |
|---------------------|--|
| Background:         | ACTRT2 belongs to the actin family. Studies have shown that this protein may be involved in cytoskeletal organization similar to other cytoplasmic actin-related protein (ARP) subfamily members. Antibody raised against the human protein has been used to detect the protein by immunoblotting and immunofluorescence microscopy, demonstrating its specific synthesis in the testis, late in spermatid differentiation, and its localization in the calyx. The protein encoded by this intronless gene belongs to the actin family. Studies have shown that this protein may be involved in cytoskeletal organization similar to other cytoplasmic actin-related protein (ARP) subfamily members. Antibody raised against the human protein has been used to detect the protein by immunoblotting and immunofluorescence microscopy, demonstrating its specific synthesis in the testis, late in spermatid differentiation, and its localization in the calyx. Alias Symbols: ARPM2, ARPT2, Arp-T2, FLJ25424, HARPM2 Protein Size: 377 |
| Molecular Weight:   | 42 kDa   |
| Gene ID:            | 140625   |
| NCBI Accession:     | NM_080431, NP_536356   |
| UniProt:            | Q8TDY3   |
| Application Details |  |
| Application Notes:  | Optimal working dilutions should be determined experimentally by the investigator.   |
| Comment:            | Antigen size: 377 AA   |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Format:             | Liquid   |
| Concentration:      | Lot specific   |
| Buffer:             | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.  |
| Preservative:       | Sodium azide   |
| Precaution of Use:  | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |

#### Handling

| Handling Advice: | Avoid repeated freeze-thaw cycles.  |
|------------------|---|
| Storage:         | -20 °C  |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

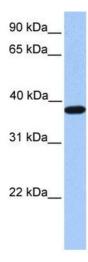
#### **Publications**

Product cited in:

Basten, Davis, Gillis, van Rooijen, Stoop, Babala, Logister, Heath, Jonges, Katsanis, Voest, van Eeden, Medema, Ketting, Schulte-Merker, Looijenga, Giles: "Mutations in LRRC50 predispose zebrafish and humans to seminomas." in: **PLoS genetics**, Vol. 9, Issue 4, pp. e1003384, (2013) ( PubMed).

Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: **Diagnostic microbiology and infectious disease**, Vol. 55, Issue 1, pp. 55-8, (2006) (PubMed).

#### **Images**



#### **Western Blotting**

Image 1. WB Suggested Anti-ACTRT2 Antibody Titration:

0.2-1 ug/ml

Positive Control: Human Muscle