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# Datasheet for ABIN2785862 anti-ICA1 antibody (C-Term)

1 Image

1 Publication



#### Overview

| Quantity:            | 100 µL   |
|----------------------|--|
| Target:              | ICA1   |
| Binding Specificity: | C-Term   |
| Reactivity:          | Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Cow |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This ICA1 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 ICA1                                      |
|-----------------------|--|
| Sequence:             | NMKDLQASLQ EPAKAASDLT AWFSLFADLD PLSNPDAVGK TDKEHELLNA   |
| Predicted Reactivity: | Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit:<br>100%, Rat: 100%                       |
| Characteristics:      | This is a rabbit polyclonal antibody against ICA1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified  |
| Target Details        |  |
| Target:               | ICA1   |

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| Target Details    |  |
|-------------------|--|
| Alternative Name: | ICA1 (ICA1 Products)   |
| Background:       | ICA1 is a protein with an arfaptin homology domain that is found both in the cytosol and as    |
|                   | membrane-bound form on the Golgi complex and immature secretory granules. This protein is      |
|                   | believed to be an autoantigen in insulin-dependent diabetes mellitus and primary Sjogren's     |
|                   | syndrome. This gene encodes a protein with an arfaptin homology domain that is found both in   |
|                   | the cytosol and as membrane-bound form on the Golgi complex and immature secretory             |
|                   | granules. This protein is believed to be an autoantigen in insulin-dependent diabetes mellitus |
|                   | and primary Sjogren's syndrome. Alternatively spliced variants which encode different protein  |
|                   | isoforms have been described, however, not all variants have been fully characterized.         |
|                   | Alias Symbols: ICA69, ICAp69   |
|                   | Protein Interaction Partner: RAB2B, ING5, MBD3, CCDC28A, RAB2A, tbc-8, EXOC5, STK16,           |
|                   | MKKS, KRT33B, CNTF,  |
|                   | Protein Size: 483  |
| Molecular Weight: | 53 kDa   |
| Gene ID:          | 3382   |
| NCBI Accession:   | NM_022307, NP_071682   |
| UniProt:          | Q05084   |
|                   |  |

## Application Details

| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
|--------------------|--|
| Comment:           | Antigen size: 483 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. |

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| 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: | Akter, Mansour, Hyodo, Senga: "FAM98A associates with DDX1-C14orf166-FAM98B in a novel complex involved in colorectal cancer progression." in: <b>The international journal of biochemistry &amp; cell biology</b> , Vol. 84, pp. 1-13, (2017) (PubMed). |
|                   | Akter, Mansour, Hyodo, Ito, Hamaguchi, Senga: "Erratum to: FAM98A is a novel substrate of PRMT1 required for tumor cell migration, invasion and colony formation." in: <b>Tumour biology</b> , Vol. 37, Issue 5, pp. 7001, (2016) (PubMed).              |

### Images

