

## Anti-TIA1 antibody

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| <b>Cat. No.</b> | ml223330                                                |
| <b>Package</b>  | 25 µl/100 µl/200 µl                                     |
| <b>Storage</b>  | -20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |

### Product overview

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Description</b>  | Anti-TIA1 rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB, IHC                       |
| <b>Immunogen</b>    | Full length fusion protein           |
| <b>Reactivity</b>   | Human, Mouse                         |
| <b>Content</b>      | 0.4 mg/ml                            |
| <b>Host species</b> | Rabbit                               |
| <b>Ig class</b>     | Immunogen-specific rabbit IgG        |
| <b>Purification</b> | Antigen affinity purification        |

### Target information

|                  |                                                       |
|------------------|-------------------------------------------------------|
| <b>Symbol</b>    | TIA1                                                  |
| <b>Full name</b> | TIA1 cytotoxic granule-associated RNA binding protein |

**Synonyms** WDM; TIA-1

**Swissprot** P31483

#### **Target Background**

The product encoded by this gene is a member of a RNA-binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte (CTL) target cells. It has been suggested that this protein may be involved in the induction of apoptosis as it preferentially recognizes poly(A) homopolymers and induces DNA fragmentation in CTL targets. The major granule-associated species is a 15-kDa protein that is thought to be derived from the carboxyl terminus of the 40-kDa product by proteolytic processing. Alternative splicing resulting in different isoforms of this gene product has been described in the literature.

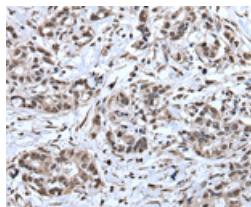
## Applications

### Immunohistochemistry

Predicted cell location: Nucleus or Cytoplasm

Positive control: Human gastric cancer

Recommended dilution: 25-100

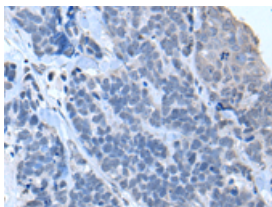


The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml223330(TIA1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Nucleus or Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml223330(TIA1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 43 kDa

Positive control: NIH/3T3, K562, 293T, HeLa and HEPG2 cell lysates

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

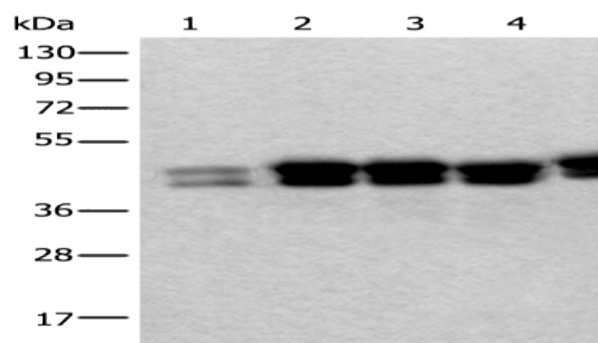
Lysate: 40  $\mu$ g

Lane 1-5: NIH/3T3, K562, 293T, HeLa and HEPG2 cell lysates

Primary antibody: ml223330(TIA1 Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



## ELISA

Recommended dilution: 5000-10000

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