


### Anti-TIAL1 antibody ab129499

[1 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-TIAL1 antibody
<b>Description</b>	Rabbit polyclonal to TIAL1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Platypus 
<b>Immunogen</b>	Synthetic peptide, corresponding to a region within amino acids 325-375 of Human TIAL1 (NP_003243.1).
<b>Positive control</b>	HeLa, 293T, and Jurkat whole cell lysates.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate
	pH 7-8
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab129499 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 41 kDa.
IP		Use at 2-10 µg/mg of lysate.

## Target

### Function

RNA-binding protein. Possesses nucleolytic activity against cytotoxic lymphocyte target cells. May be involved in apoptosis.

### Sequence similarities

Contains 3 RRM (RNA recognition motif) domains.

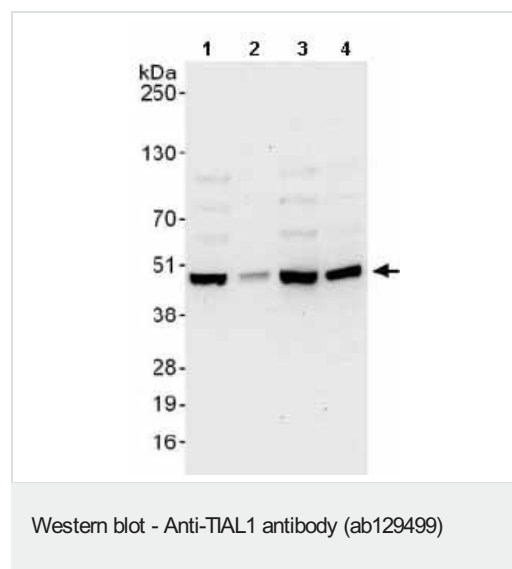
### Post-translational modifications

Phosphorylated by MAPK14 following DNA damage, releasing TIAR from GADD45A mRNA.

### Cellular localization

Cytoplasm. Nucleus. Cytoplasmic granule. The cytoplasmic granules are stress granules which are a dense aggregation in the cytosol composed of proteins and RNAs that appear when the cell is under stress. Colocalizes with NANOS3 in the stress granules (By similarity). Cytoplasmic granules of cytolytic T-lymphocytes.

## Images



**All lanes :** Anti-TIAL1 antibody (ab129499) at 0.1 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

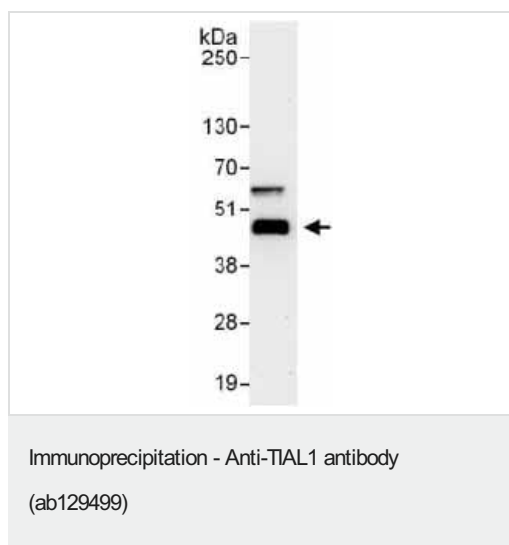
**Lane 3 :** 293T whole cell lysate at 50 µg

**Lane 4 :** Jurkat whole cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 41 kDa

**Exposure time:** 30 seconds



Detection of TIAL1 in Immunoprecipitates of HeLa whole cell lysate (1 mg for IP, 20% of IP loaded) using ab129499 at 6 µg/mg lysate for IP and at 1 µg/ml for subsequent Western blot detection. Detection: Chemiluminescence with an exposure time of 30 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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