

Product datasheet

Anti-Tnk1 antibody [3F11H6] ab70402

1 Image

Overview

<b>Product name</b>	Anti-Tnk1 antibody [3F11H6]
<b>Description</b>	Mouse monoclonal [3F11H6] to Tnk1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Purified truncated recombinant human Tnk1 (aa451-560)-His expressed in E.coli strain BL21 (DE3)
<b>Positive control</b>	Truncated Tnk1-His recombinant protein.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.03% Sodium Azide Constituents: Ascites
<b>Purity</b>	Ascites
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	3F11H6
<b>Isotype</b>	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab70402** 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		
ELISA		

## Application notes

ELISA: 1/10000.

WB: 1/500 - 1/2000. Detects a band of approximately 17 kDa (predicted molecular weight: 73 kDa). Note: ab70402 has only been tested against a truncated recombinant protein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

### Function

Involved in negative regulation of cell growth. Has tumor suppressor properties. Plays a negative regulatory role in the Ras-MAPK pathway. May function in signaling pathways utilized broadly during fetal development and more selectively in adult tissues and in cells of the lymphohematopoietic system. Could specifically be involved in phospholipid signal transduction.

### Tissue specificity

Expressed in all umbilical cord blood, bone marrow and adult blood cell sub-populations and in several leukemia cell lines. Highly expressed in fetal blood, brain, lung, liver and kidney. Detected at lower levels in adult prostate, testis, ovary, small intestine and colon. Not expressed in adult lung, liver, kidney or brain.

### Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family.  
Contains 1 protein kinase domain.  
Contains 1 SH3 domain.

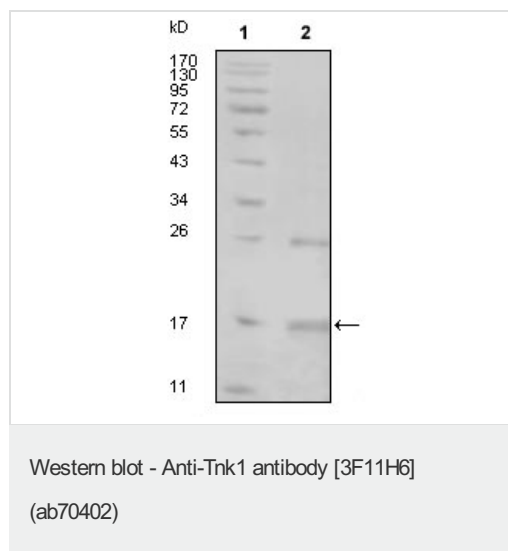
### Post-translational modifications

Autophosphorylated on tyrosine residues.

### Cellular localization

Cytoplasm. Membrane.

## Images



**All lanes :** Anti-Tnk1 antibody [3F11H6]  
(ab70402) at 1/500 dilution

**Lane 1 :** Molecular weight markers

**Lane 2 :** Truncated Tnk1-His recombinant protein

**Predicted band size:** 73 kDa

**Observed band size:** 17 kDa

**Additional bands at:** 25 kDa. We are unsure as to the identity of these extra bands.

ab70402 is tested with a truncated recombinant protein hence the difference in molecular weight seen.

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