

## Product datasheet

# Anti-MAP2K1IP1 antibody ab96653

★★★★☆ 1 Abreviews 2 Images

### Overview

<b>Product name</b>	Anti-MAP2K1IP1 antibody
<b>Description</b>	Rabbit polyclonal to MAP2K1IP1
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow, Zebrafish
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 1-124 of Human MAP2K1IP1
<b>Positive control</b>	Paraffin-embedded SW480 xenograft. 293T whole cell lysate.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab96653** 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	★★★★☆	1/500 - 1/3000. Predicted molecular weight: 14 kDa.
IHC-P		1/100 - 1/500.

### Target

## Function

As part of the Ragulator complex it is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide exchange factor activating the small GTPases Rag. Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated. Adapter protein that enhances the efficiency of the MAP kinase cascade facilitating the activation of MAPK2.

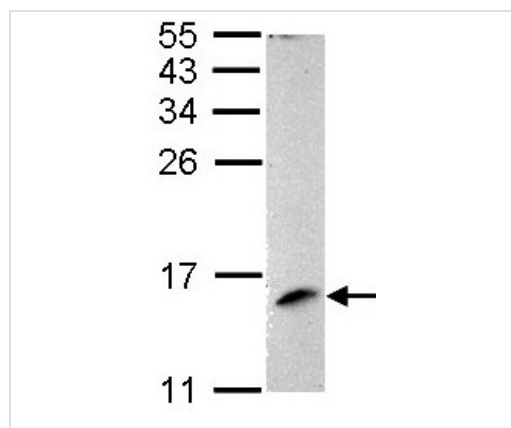
## Sequence similarities

Belongs to the LAMTOR3 family.

## Cellular localization

Late endosome membrane.

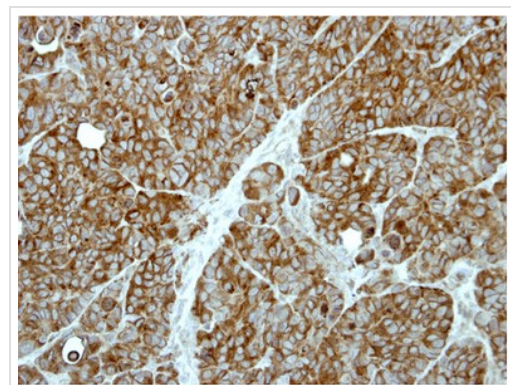
## Images



Western blot - Anti-MAP2K1IP1 antibody (ab96653)

Anti-MAP2K1IP1 antibody (ab96653) at  
1/1000 dilution + 293T whole cell lysate at 30  
 $\mu$ g

**Predicted band size : 14 kDa**



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-MAP2K1IP1 antibody  
(ab96653)

ab96653, at 1/500, staining paraffin-  
embedded SW480 xenograft by  
Immunohistochemistry.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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