

## Product datasheet

# Anti-TRIP15 antibody ab4537

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

### Overview

<b>Product name</b>	Anti-TRIP15 antibody
<b>Description</b>	Goat polyclonal to TRIP15
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat
<b>Immunogen</b>	Synthetic peptide: LNSLNQAVVSKLA, corresponding to C terminal amino acids 421-443 of Human TRIP15. <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	<a href="#">Purchase matching WB positive control: Recombinant TRIP15 protein &gt;</a>
<b>General notes</b>	GenBank Accession Number – NP_004227. Gene Ontology terms - protein binding; signal transducer activity; signal transduction; transcription from Pol II promoter; cytoplasm; signalosome complex. LocusLink ID - 9318 (human); 12848 (mouse); 261736 (rat).

### 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: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab4537** 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
IHC-P		Use a concentration of 3 - 5 µg/ml.
WB		Use a concentration of 0.03 - 3 µg/ml. Predicted molecular weight: 51 kDa. Can be blocked with <a href="#">Human TRIP15 peptide (ab23046)</a> .

## Target

### Function

Essential component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IκBα/NFκBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. Involved in early stage of neuronal differentiation via its interaction with NIF3L1.

### Sequence similarities

Belongs to the CSN2 family.  
Contains 1 PCI domain.

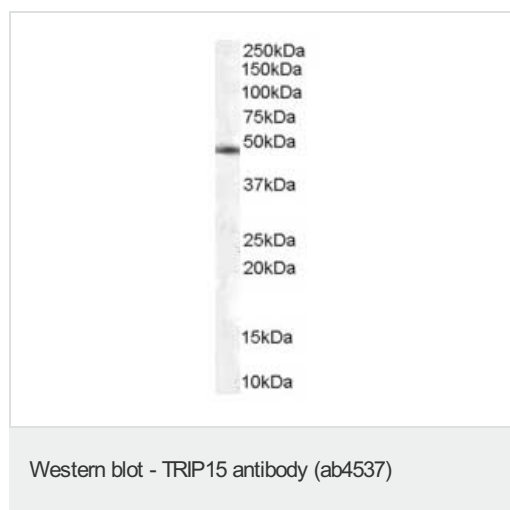
### Post-translational modifications

Phosphorylated by CK2 and PKD kinases.

### Cellular localization

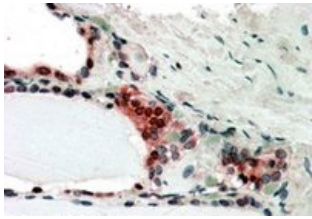
Cytoplasm. Nucleus.

## Images



Anti-TRIP15 antibody (ab4537) at 0.03 µg/ml  
+ NIH-3T3 cell lysate at 30 µg  
Developed using the ECL technique

**Predicted band size : 51 kDa**



ab4537 (3-5 µg/ml) staining TRIP15 in paraffin-embedded sections of Human thyroid Gland.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - TRIP15 antibody (ab4537)

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