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# TRIM29 Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP19332c**

## Specification

### TRIM29 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q14134

### TRIM29 Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 23650

**Other Names**
Tripartite motif-containing protein 29, Ataxia telangiectasia group D-associated protein, TRIM29, ATDC

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### TRIM29 Antibody (Center) Blocking Peptide - Protein Information

**Name** TRIM29

**Synonyms** ATDC

**Function**
Plays a crucial role in the regulation of macrophage activation in response to viral or bacterial infections within the respiratory tract. Mechanistically, TRIM29 interacts with IKBKG/NEMO in the lysosome where it induces its 'Lys-48' ubiquitination and subsequent degradation. In turn, the expression of type I interferons and the production of pro-inflammatory cytokines are inhibited. Additionally, induces the 'Lys-48' ubiquitination of STING1 in a similar way, leading to its degradation.

**Cellular Location**
Cytoplasm. Lysosome. Note=Colocalizes with intermediate filaments

**Tissue Location**
Expressed in placenta, prostate and thymus.

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## TRIM29 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

## TRIM29 Antibody (Center) Blocking Peptide - Images

## TRIM29 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene belongs to the TRIMprotein family. It has multiple zinc finger motifs and a leucinezipper motif. It has been proposed to form homo- or heterodimerswhich are involved in nucleic acid binding. Thus, it may act as atranscriptional regulatory factor involved in carcinogenesis and/ordifferentiation. It may also function in the suppression ofradiosensitivity since it is associated with ataxia telangiectasiaphenotype.

## TRIM29 Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Yuan, Z., et al. Mol. Cell. Biol. 30(12):3004-3015(2010)Chattopadhyay, I., et al. Mutat. Res. 696(2):130-138(2010)Bertrand-Vallery, V., et al. PLoS ONE 5 (5), E10462 (2010) :Ring, B.Z., et al. Mod. Pathol. 22(8):1032-1043(2009)