

TICRR Antibody

Catalog # ASC11813

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q7Z2Z1
Other Accession	NP_689472 , 118421085
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	210857
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TICRR antibody can be used for detection of TICRR by Western blot at 1 - 2 μ g/ml. Antibody can also be used for Immunohistochemistry at 5 μ g/mL. For Immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	90381
Other Names	Treslin, TopBP1-interacting checkpoint and replication regulator, TopBP1-interacting, replication-stimulating protein, TICRR, C15orf42
Target/Specificity	TICRR; TICRR antibody is human specific. At least two isoforms of TICRR are known to exist.
Reconstitution & Storage	TICRR antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Precautions	TICRR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TICRR
Synonyms	C15orf42
Function	Regulator of DNA replication and S/M and G2/M checkpoints. Regulates the triggering of DNA replication initiation via its interaction with TOPBP1 by participating in CDK2-mediated loading of CDC45L onto replication origins. Required for the transition from pre-replication complex (pre-RC) to pre-initiation complex (pre-IC). Required to prevent mitotic entry after treatment with ionizing radiation.
Cellular Location	Nucleus. Note=Associates with chromatin

Background

TopBP1-interacting checkpoint and replication regulator, Treslin, chromosome 15 open reading frame 42, C15ORF42

References

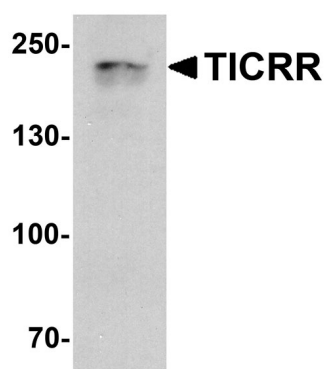
Sansam CL, Cruz NM, Danielian PS, et al. A vertebrate gene, *ticrr*, is an essential checkpoint and replication regulator. *Genes Dev.* 2010; 24:183-94.

Kumagai A, Shevchenko A, Shevchenko A, et al. Direct regulation of Treslin by cyclin-dependent kinase is essential for the onset of DNA replication. *J. Cell Biol.* 2011;193:995-1007.

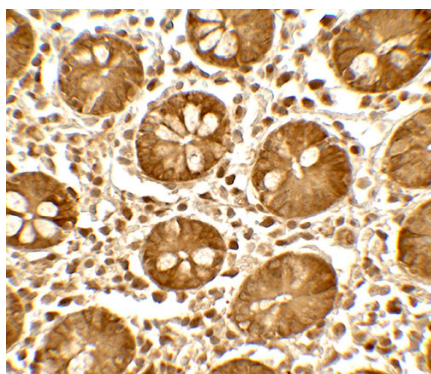
Kumagai A, Shevchenko A, Shevchenko A, et al. Treslin collaborates with TopBP1 in triggering the initiation of DNA replication. *Cell* 2010; 140:349-59.

Mueller AC, Keaton MA, and Dutta A. DNA replication: mammalian Treslin-TopBP1 interaction mirrors yeast Sld3-Dpb11. *Curr. Biol.* 2011; 21:R638-40.

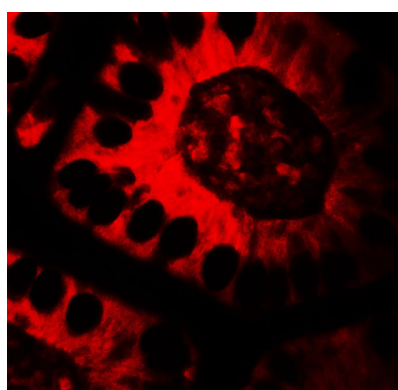
Images



Western blot analysis of TICRR in human small intestine tissue lysate with TICRR antibody at 1 μ g/ml.



Immunohistochemistry of TICRR in human small intestine tissue with TICRR antibody at 5 μ g/mL.



Immunofluorescence of TICRR in human small intestine tissue with TICRR antibody at 20 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.