

TICRR Antibody
Catalog # ASC11813**Specification**

TICRR Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q7Z2Z1
Other Accession	NP_689472 , 118421085
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 210 kDa

Application Notes	Observed: 220 kDa KDa TICRR antibody can be used for detection of TICRR by Western blot at 1 - 2 µg/ml. Antibody can also be used for Immunohistochemistry at 5 µg/mL. For Immunofluorescence start at 20 µg/mL.
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TICRR Antibody - Additional Information

Gene ID **90381**

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.

TICRR Antibody - 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

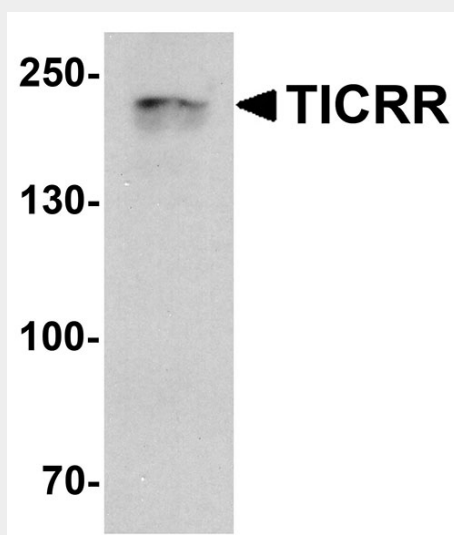
Nucleus. Note=Associates with chromatin

TICRR Antibody - Protocols

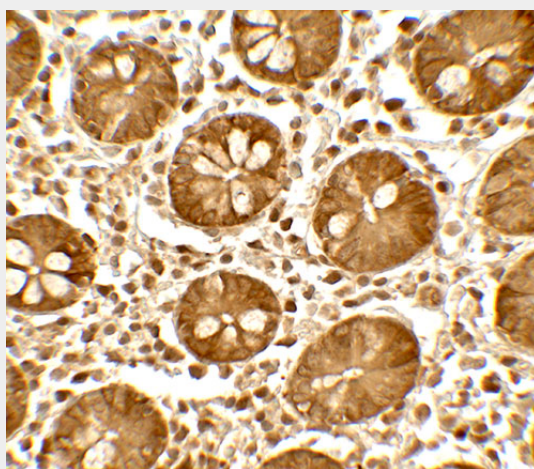
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

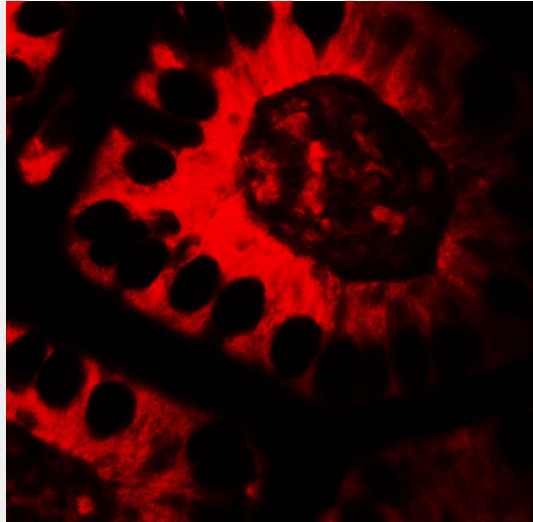
TICRR Antibody - Images



Western blot analysis of TICRR in human small intestine tissue lysate with TICRR antibody at 1 $\mu\text{g/ml}$.



Immunohistochemistry of TICRR in human small intestine tissue with TICRR antibody at 5 $\mu\text{g/mL}$.



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

TICRR Antibody - Background

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

TICRR Antibody - 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.