

TP1 / TEP1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11487**Specification**

TP1 / TEP1 Antibody (N-Terminus) - Product Information

Application	WB, IHC-P, IF
Primary Accession	Q99973
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	290kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200

TP1 / TEP1 Antibody (N-Terminus) - Additional Information**Gene ID** 7011**Other Names**

Telomerase protein component 1, Telomerase-associated protein 1, Telomerase protein 1, p240, p80 telomerase homolog, TEP1, TLP1, TP1

Target/Specificity

20 amino acid peptide from near the amino terminus of human TP1.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

TP1 / TEP1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

TP1 / TEP1 Antibody (N-Terminus) - Protein Information**Name** TEP1**Synonyms** TLP1, TP1**Function**

Component of the telomerase ribonucleoprotein complex that is essential for the replication of chromosome termini (PubMed:19179534). Also a component of the ribonucleoprotein vaults particle, a multi- subunit structure involved in nucleo-cytoplasmic transport (By similarity). Responsible for the localizing and stabilizing vault RNA (vRNA) association in the vault ribonucleoprotein particle. Binds to TERC (By similarity).

Cellular Location

Nucleus. Chromosome, telomere.

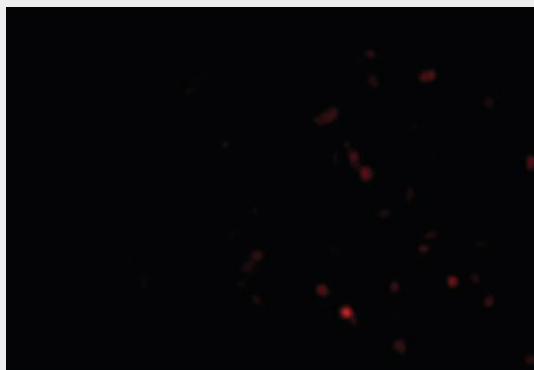
Tissue Location

Ubiquitous..

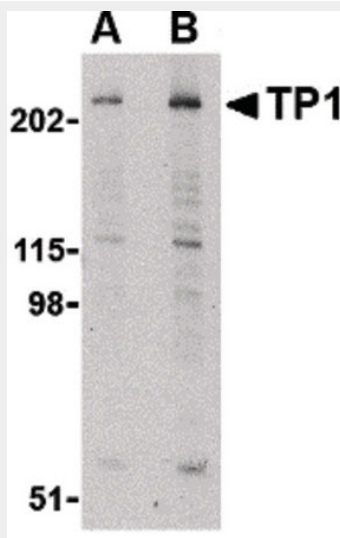
TP1 / TEP1 Antibody (N-Terminus) - Protocols

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

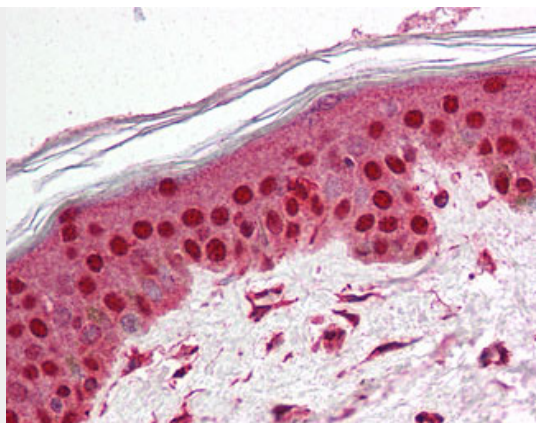
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TP1 / TEP1 Antibody (N-Terminus) - Images

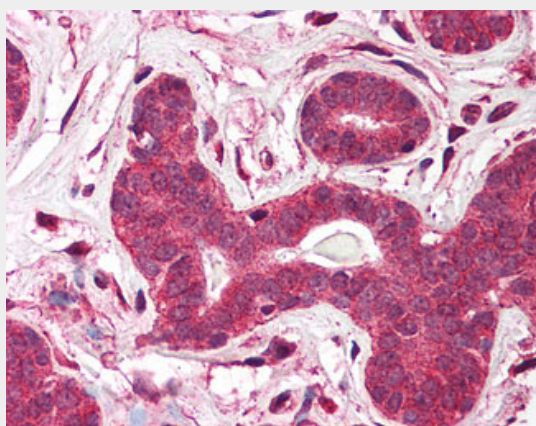
Immunofluorescence of TP-1 in Human Lung cells with TP-1 antibody at 20 ug/ml.



Western blot of TP1 in human kidney tissue lysate with TP1 antibody at (A) 1 and (B) 2 ug/ml.



Anti-TEP1 antibody IHC of human skin.



Anti-TEP1 antibody IHC of human breast.

TP1 / TEP1 Antibody (N-Terminus) - Background

Component of the telomerase ribonucleoprotein complex that is essential for the replication of chromosome termini. Also component of the ribonucleoprotein vaults particle, a multi- subunit structure involved in nucleo-cytoplasmic transport. Responsible for the localizing and stabilizing vault RNA (vRNA) association in the vault ribonucleoprotein particle. Binds to TERC (By similarity).

TP1 / TEP1 Antibody (N-Terminus) - References

Harrington L.,et al.Science 275:973-977(1997).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Harrington L.,et al.Genes Dev. 11:3109-3115(1997).
Kickhoefer V.A.,et al.J. Biol. Chem. 274:32712-32717(1999).
Beattie T.L.,et al.Mol. Biol. Cell 11:3329-3340(2000).