

EST1A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57754**Specification**

EST1A Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q86US8
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	160462

EST1A Polyclonal Antibody - Additional Information**Gene ID** 23293**Other Names**

Telomerase-binding protein EST1A, 3.1.-., EST1-like protein A, Ever shorter telomeres 1A, Smg-6 homolog, Telomerase subunit EST1A, hSmg5/7a, SMG6, C17orf31, EST1A, KIAA0732

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

EST1A Polyclonal Antibody - Protein Information**Name** SMG6 ([HGNC:17809](#))**Function**

Component of the telomerase ribonucleoprotein (RNP) complex that is essential for the replication of chromosome termini (PubMed: [19179534](http://www.uniprot.org/citations/19179534)). May have a general role in telomere regulation (PubMed: [12676087](http://www.uniprot.org/citations/12676087), PubMed: [12699629](http://www.uniprot.org/citations/12699629)). Promotes in vitro the ability of TERT to elongate telomeres (PubMed: [12676087](http://www.uniprot.org/citations/12676087), PubMed: [12699629](http://www.uniprot.org/citations/12699629)). Overexpression induces telomere uncapping, chromosomal end-to-end fusions (telomeric DNA persists at the fusion points) and did not perturb TRF2 telomeric localization (PubMed: [12676087](http://www.uniprot.org/citations/12676087), PubMed: [12699629](http://www.uniprot.org/citations/12699629)). Binds to the single-stranded 5'-(GTGTGG)(4)GTGT-3' telomeric DNA, but not to a telomerase RNA template component (TER) (PubMed: [12676087](http://www.uniprot.org/citations/12676087), PubMed: [12699629](http://www.uniprot.org/citations/12699629)).

target="_blank">12699629).

Cellular Location

Nucleus, nucleolus. Chromosome, telomere. Cytoplasm, cytosol. Note=Particularly enriched in the nucleolus.

Tissue Location

Ubiquitous.

EST1A Polyclonal 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](#)

EST1A Polyclonal Antibody - Images