

# EST1A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57754

## Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q86US8</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	160462

## 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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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.

## Protein Information

Name	SMG6 ( <a href="#">HGNC:17809</a> )
Function	Component of the telomerase ribonucleoprotein (RNP) complex that is essential for the replication of chromosome termini (PubMed: <a href="#">19179534</a> ). May have a general role in telomere regulation (PubMed: <a href="#">12676087</a> , PubMed: <a href="#">12699629</a> ). Promotes in vitro the ability of TERT to elongate telomeres (PubMed: <a href="#">12676087</a> , PubMed: <a href="#">12699629</a> ). Overexpression induces telomere uncapping, chromosomal end-to-end fusions (telomeric DNA persists at the fusion points) and did not perturb TRF2 telomeric localization (PubMed: <a href="#">12676087</a> , PubMed: <a href="#">12699629</a> ). Binds to the single-stranded 5'-(GTGTGG)(4)GTGT-3' telomeric DNA, but not to a telomerase RNA template component (TER) (PubMed: <a href="#">12676087</a> , PubMed: <a href="#">12699629</a> ).
Cellular Location	Nucleus, nucleolus. Chromosome, telomere. Cytoplasm, cytosol. Note=Particularly enriched in the nucleolus.

<b>Tissue Location</b>	Ubiquitous.
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