

STK19 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7189b**Specification**

STK19 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P49842
Other Accession	Q5ST75
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	28465
Antigen Region	278-308

STK19 Antibody (C-term) - Additional Information**Gene ID** 8859**Other Names**

Serine/threonine-protein kinase 19, Protein G11, Protein RP1, STK19, G11, RP1

Target/Specificity

This STK19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 278-308 amino acids from the C-terminal region of human STK19.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

STK19 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

STK19 Antibody (C-term) - Protein Information**Name** WHR1 ([HGNC:11398](#))**Function** DNA-binding protein which is required for efficient transcription-coupled nucleotide

excision repair (TC-NER) (PubMed:[38252411](#), PubMed:[38890355](#), PubMed:[39353615](#), PubMed:[39547223](#), PubMed:[39547228](#), PubMed:[39547229](#)). Acts as part of a TC-NER complex which assembles and interacts with RNA polymerase II (RNAPII) when it stalls at DNA lesions (PubMed:[39547223](#), PubMed:[39547228](#), PubMed:[39547229](#)). TC-NER complex subunit UVSSA binds to the GTF2H1/p62 subunit of the TFIIH transcription factor complex, tethering TFIIH to the TC-NER complex (PubMed:[39547228](#)). WHR1/STK19 then interacts with the XPD helicase subunit of TFIIH which guides TFIIH to DNA downstream of the stalled RNAPII, ensuring DNA repair (PubMed:[39353615](#), PubMed:[39547228](#), PubMed:[39547229](#)). Directly interacts with RNAPII and also binds to downstream DNA (PubMed:[39547229](#)). Promotes the timely removal of DNA damage-stalled RNAPII, allowing downstream NER factors to access DNA lesions (PubMed:[39547228](#), PubMed:[39547229](#)). Required for monoubiquitination of UVSSA (PubMed:[39353615](#)). Regulates repositioning and stabilization of UVSSA within the TC-NER complex (PubMed:[39547223](#)). Stimulates ubiquitination of RNAPII complex member RBP1 (PubMed:[39547223](#)). Also binds to RNA and regulates the expression levels of many mRNAs (PubMed:[38252411](#), PubMed:[38890355](#)).

Cellular Location

[Isoform 4]: Nucleus [Isoform 1]: Nucleus. Cytoplasm

Tissue Location

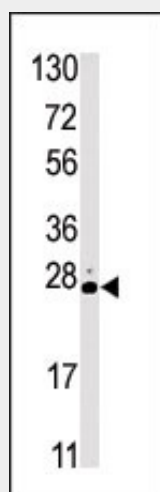
Monocytes, hepatocytes, epithelial cells, T- and B- lymphocytes.

STK19 Antibody (C-term) - 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](#)

STK19 Antibody (C-term) - Images



Western blot analysis of anti-STK19 Pab(Cat. #AP7189b) in HL60 cell line lysate (35ug/lane).

STK19(arrow) was detected using the purified Pab.

STK19 Antibody (C-term) - Background

SSTK19 is a serine/threonine kinase which localizes predominantly to the nucleus. Its specific function is unknown; it is possible that phosphorylation of this protein is involved in transcriptional regulation.

STK19 Antibody (C-term) - References

- Gomez-Escobar, N., et al., J. Biol. Chem. 273(47):30954-30960 (1998).
Yang, Z., et al., Genomics 53(3):338-347 (1998).
Ulgianti, D., et al., Immunogenetics 43(4):250-252 (1996).
Sargent, C.A., et al., Hum. Mol. Genet. 3(3):481-488 (1994).
Shen, L., et al., J. Biol. Chem. 269(11):8466-8476 (1994).