

STK19 Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI15239**Specification**

STK19 Antibody - middle region - Product Information

Application	WB
Primary Accession	P49842
Other Accession	NM_032454 , NP_115830
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig
Predicted	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa kDa

STK19 Antibody - middle region - Additional Information**Gene ID** 8859**Alias Symbol** D6S60, D6S60E, G11, HLA-RP1, MGC117388, RP1**Other Names**

Serine/threonine-protein kinase 19, 2.7.11.1, Protein G11, Protein RP1, STK19, G11, RP1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-STK19 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

STK19 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

STK19 Antibody - middle region - Protein Information**Name** WHR1 ([HGNC:11398](#))**Function**DNA-binding protein which is required for efficient transcription-coupled nucleotide excision repair (TC-NER) (PubMed:<[a href="http://www.uniprot.org/citations/38252411" target="_blank">38252411](http://www.uniprot.org/citations/38252411), PubMed:<[a href="http://www.uniprot.org/citations/38890355" target="_blank">38890355](http://www.uniprot.org/citations/38890355), PubMed:<[a href="http://www.uniprot.org/citations/39353615" target="_blank">39353615](http://www.uniprot.org/citations/39353615), PubMed:<[a href="http://www.uniprot.org/citations/39547223" target="_blank">39547223](http://www.uniprot.org/citations/39547223), PubMed:<[a href="http://www.uniprot.org/citations/39547228" target="_blank">39547228](http://www.uniprot.org/citations/39547228)

target="_blank">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

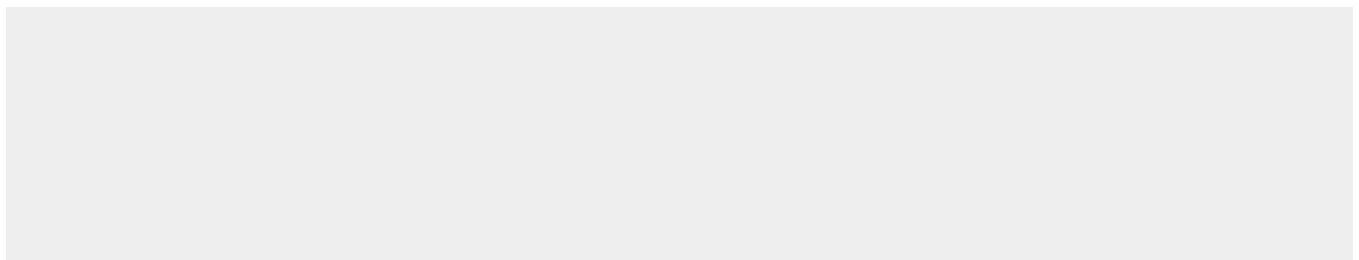
Monocytes, hepatocytes, epithelial cells, T- and B- lymphocytes.

STK19 Antibody - middle region - 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 - middle region - Images





WB Suggested Anti-STK19 Antibody Titration: 1.0 µg/ml

Positive Control: 293T Whole Cell STK19 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells

STK19 Antibody - middle region - References

Sargent C.A., et al. Hum. Mol. Genet. 3:481-488(1994).

Liming S., et al. J. Biol. Chem. 269:8466-8476(1994).

Xie T., et al. Genome Res. 13:2621-2636(2003).

Mungall A.J., et al. Nature 425:805-811(2003).

Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.