

DATASHEET

STK19 Rabbit Polyclonal Antibody

CAT. NO. APA13122

KEY FEATURES

Target	STK19	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

DNA-binding protein which is required for efficient transcription-coupled nucleotide excision repair (TC-NER) . Acts as part of a TC-NER complex which assembles and interacts with RNA polymerase II (RNAPII) when it stalls at DNA lesions . TC-NER complex subunit UVSSA binds to the GTF2H1/p62 subunit of the TFIIH transcription factor complex, tethering TFIIH to the TC-NER complex . WHR1/STK19 then interacts with the XPD helicase subunit of TFIIH which guides TFIIH to DNA downstream of the stalled RNAPII, ensuring DNA repair . Directly interacts with RNAPII and also binds to downstream DNA . Promotes the timely removal of DNA damage-stalled RNAPII, allowing downstream NER factors to access DNA lesions . Required for monoubiquitination of UVSSA .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

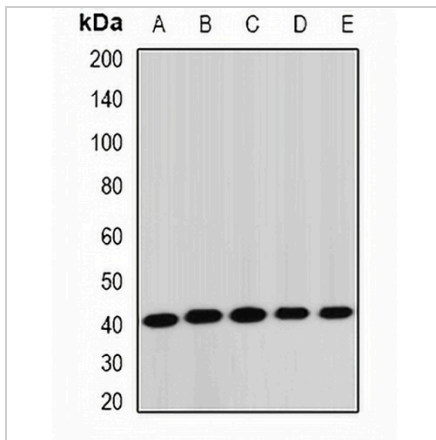
Description	Rabbit polyclonal antibody to STK19
Specificity	Recognizes endogenous levels of STK19 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human STK19
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 40 kD; Observed: 40; 28 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	G11; RP1; Serine/threonine-protein kinase 19; Protein G11; Protein RP1
Gene Symbol	STK19
Entrez Gene	8859(Human); 54402(Mouse)
SwissProt	P49842(Human); Q9JHN8(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of STK19 expression in Jurkat (A), HepG2 (B), mouse liver (C), rat lung (D), rat brain (E) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 40; 28 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.