

DATASHEET

SAK Rabbit Polyclonal Antibody

CAT. NO. APA14924

KEY FEATURES

Target	SAK	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

Serine/threonine-protein kinase that plays a central role in centriole duplication. Able to trigger procentriole formation on the surface of the parental centriole cylinder, leading to the recruitment of centriole biogenesis proteins such as SASS6, CPAP, CCP110, CEP135 and gamma-tubulin. When overexpressed, it is able to induce centrosome amplification through the simultaneous generation of multiple procentrioles adjoining each parental centriole during S phase. Phosphorylates 'Ser-151' of FBXW5 during the G1/S transition, leading to inhibit FBXW5 ability to ubiquitinate SASS6. Its central role in centriole replication suggests a possible role in tumorigenesis, centrosome aberrations being frequently observed in tumors.

APPLICATION

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

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

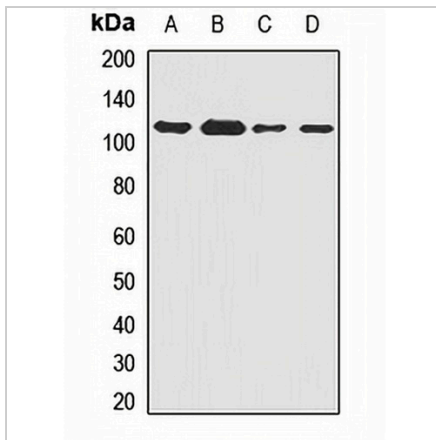
Description	Rabbit polyclonal antibody to SAK
Specificity	Recognizes endogenous levels of SAK protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human SAK
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 104; Observed: 115 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	SAK; STK18; Serine/threonine-protein kinase PLK4; Polo-like kinase 4; PLK-4; Serine/threonine-protein kinase 18; Serine/threonine-protein kinase Sak
Gene Symbol	PLK4
Entrez Gene	10733(Human); 20873(Mouse); 310344(Rat)
SwissProt	O00444(Human); Q64702(Mouse); B2GUY1(Rat)

*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 SAK expression in MCF7 (A), HeLa (B), mouse spleen (C), rat brain (D) whole cell lysates. (Predicted band size: 104; 105; 108 kD; Observed band size: 115 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.