DATASHEET

P-S6 Rabbit Monoclonal Antibody(ARA891)

CAT. NO. ARA6718

KEY FEATURES

Reactivity:	Human, Mouse, Rat	**Applications:**	IHC
Source/Host:	Rabbit	**Clonality:**	Monoclonal
Target:	P-S6	**Clone ID:**	ARA891
Storage:	at-20°C		

BACKGROUND

This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17.

APPLICATION

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

IHC	1:100-1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Antibody Type	Recombinant Rabbit monoclonal Antibody
Immunogen	Synthetic peptide within human P70 S6 Kinase aa 371-420 / 525
Species Reactivity	Human, Mouse, Rat
Applications	WB, IP-Cell, IHC-P
Molecular Weight	Predicted band size: 59 kDa
Positive Control	MCF7 cell lysate, MCF7 treated with 20% FBS overnight then add 100nM Calyculin A for 30 minutes cell lysate, NIH/3T3 treated with 20% FBS overnight then add 100nM Calyculin A for 30 minutes cell lysate, human breast carcinoma tissue, MCF7 starved for 4 hours then treated with 200ng/mL EGF for 15 minutes cell lysate, C6 cell lysate, C6 treated with 100nM Calyculin A for 30 minutes cell lysate, human liver carcinoma tissue, 293T cell lysate, 293T serum starved overnight cell lysate, 293T serum starved overnight then treated with 100nM Insulin for 15 minutes cell lysate, MCF7 cells treated with 20% FBS overnight then add 100nM Calyculin A for 30 minutes
Conjugation	unconjugated
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Concentration	1μg/ul
Isotype	IgG
Purification	Protein A affinity purified

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

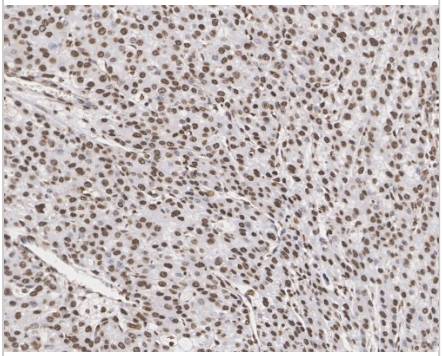
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

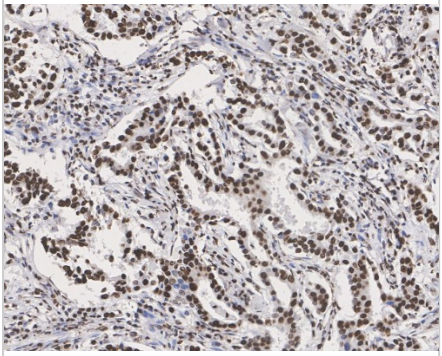
P-S6 Rabbit Monoclonal Antibody(ARA891)

CAT. NO. ARA6718

DATA



Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue with P-S6 Rabbit Monoclonal Antibody(ARA891)



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue with P-S6 Rabbit Monoclonal Antibody(ARA891)

STORAGE

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

NOTE

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

More information: www.arexbio.com