Phospho-p70 S6 Kinase (Thr421) Polyclonal Antibody

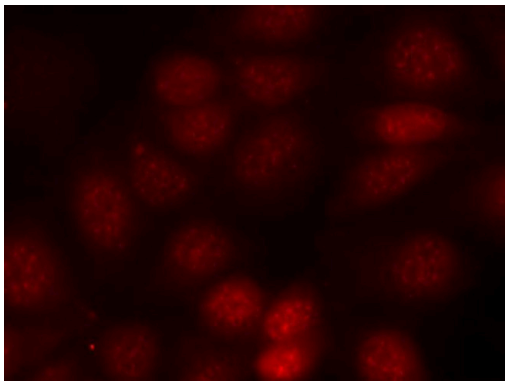
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Peptide sequence around phosphorylation site of threonine 421 (P-R-T(p)-P-V) derived from Human p70 S6 Kinase.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2554341

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	1 Publication
Immunocytochemistry (ICC/IF)	1:100-1:200	-

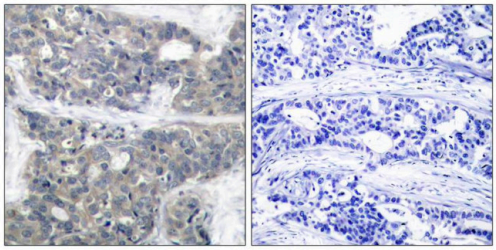
Product Specific Information

A suggested positive control for Western blot is Jurkat cells; suggested positive control for IHC is human breast carcinoma; suggested positive control for ICC/IF is MCF-7 cells.

Product Images For Phospho-p70 S6 Kinase (Thr421) Polyclonal Antibody



Phospho-p70 S6 Kinase (Thr421) Antibody (PA5-37733) in ICC/IF
Immunocytochemical analysis of Phospho-p70 S6 Kinase (Thr421) in methanol-fixed MCF cells, using Phospho-p70 S6 Kinase (Thr421) Polyclonal Antibody (Product # PA5-37733).



Phospho-p70 S6 Kinase (Thr421) Antibody (PA5-37733) in IHC (P)
Immunohistochemical analysis of Phospho-p70 S6 Kinase (Thr421) in paraffin-embedded Human breast carcinoma tissue using Phospho-p70 S6 Kinase (Thr421) Polyclonal Antibody (Product # PA5-37733) (left) or the same antibody preincubated with blocking peptide (right).

2 References

Immunohistochemistry (1)

eLife

Increased mTOR activity and metabolic efficiency in mouse and human cells containing the African-centric tumor-predisposing p53 variant Pro47Ser.

"PA5-37733 was used in Immunohistochemistry (Paraffin) to show that mice containing the S47 variant display increased mTOR activity and oxidative metabolism, as well as larger size, improved metabolic efficiency, and signs of superior fitness."

Authors: Gnanapradeepan K,Leu JI,Basu S,Barnoud T,Good M,Lee JV,Quinn WJ,Kung CP,Ahima R,Baur JA,Wellen KE,Liu Q,Schug ZT,George DL,Murphy ME

Year
2020

Species
Mouse

Dilution
1:100

Immunohistochemistry (Paraffin) (1)

eLife

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