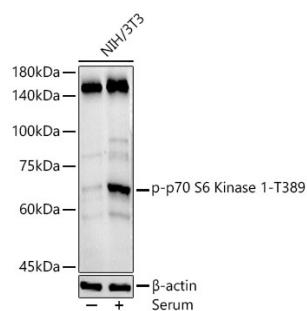


Product name:	Phospho-P70 S6K1 (T389) Rabbit Monoclonal Antibody
Cat number:	MAB-94648
Conjugate:	Unconjugated
Size:	100 ug
Clone:	108D2
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic phosphorylated peptide around T389 of human P70 S6K
Reactivity:	Hu, Ms, Rt
Applications:	WB 1:500 - 1:2000 IF 1:50 - 1:200 ICC 1:50 - 1:200
Molecular Weight:	70 kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
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.



Western blot analysis of NIH/3T3, using Phospho-p70 S6K1 (T389) antibody at 1:500 dilution. NIH/3T3 cells were treated by 10% FBS at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 180s.

