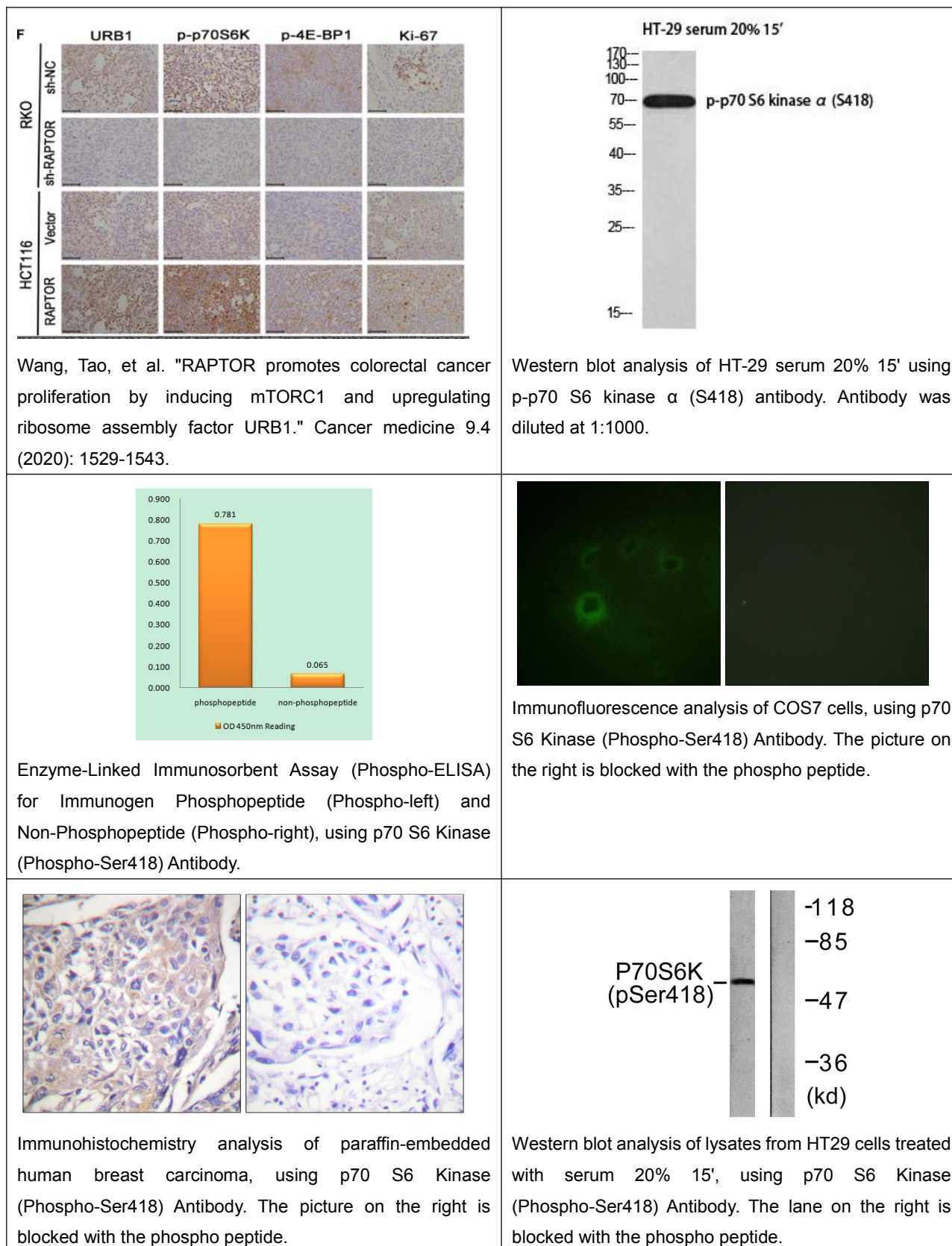




## p70 S6 kinase $\alpha$ (phospho Ser418) Polyclonal Antibody

**E20-60886****Catalog Number:**E20-60886**Amount:**100ul**Applications:**WB;IHC;IF;ELISA**Reactivity:**Human;Mouse;Rat**Target:**p70 S6 kinase  $\alpha$ **Fields:**>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>ErbB signaling pathway;>>HIF-1 signaling pathway;>>Autophagy - animal;>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway**Gene Name:**RPS6KB1 STK14A P70S6K**Protein Name:**Ribosomal protein S6 kinase beta-1**Human Gene Id:**6198**Human Swiss Prot No:**P23443**Mouse Gene Id:**72508**Mouse Swiss Prot No:**Q8BSK8**Rat Gene Id:**83840**Rat Swiss Prot No:**P67999**Immunogen:**The antiserum was produced against synthesized peptide derived from human p70 S6 Kinase around the phosphorylation site of Ser418. AA range:384-433**Specificity:**Phospho-p70 S6 kinase  $\alpha$  (S418) Polyclonal Antibody detects endogenous levels of p70 S6 kinase  $\alpha$  protein only when phosphorylated at S418.**Formulation:**Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.**Source:**Polyclonal, Rabbit,IgG**Dilution:**WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.**Purification:**The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.**Concentration:**1 mg/ml**Storage Stability:**-15°C to -25°C/1 year(Do not lower than -25°C)**Other Name:**RPS6KB1;STK14A;Ribosomal protein S6 kinase beta-1;S6K-beta-1;S6K1;70 kDa ribosomal protein S6 kinase 1;P70S6K1;p70-S6K 1;Ribosomal protein S6 kinase I;Serine/threonine-protein kinase 14A;p70 ribosomal S6 kinase alpha;p70 S6 kinase**Observed Band(KD):**60kD**Background:**ribosomal protein S6 kinase B1(RPS6KB1) Homo sapiens This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. [provided by RefSeq, Jan 2013]**Function:**catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Activation by serine/threonine phosphorylation and protein kinase C, inactivated by type 2A phosphatase.**Subcellular Location:**Cell junction, synapse, synaptosome . Mitochondrion outer membrane. Mitochondrion. Colocalizes with URI1 at mitochondrion.; [Isoform Alpha I]: Nucleus. Cytoplasm.; [Isoform Alpha II]: Cytoplasm.**For Research Use Only**

**Expression:** Widely expressed.



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