



# Rabbit Anti-Human p70 S6 Kinase monoclonal antibody, clone U.638.7 (CABT-L1580)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	RPS6KB1
<b>Immunogen</b>	Synthetic peptide corresponding to residues surrounding the amino-terminus of human p70 S6 kinase
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Non-human primate, Rat
<b>Clone</b>	U.638.7
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, WB
<b>Format</b>	Liquid
<b>Buffer</b>	0.01M HEPES, pH 7.5, with 0.15M NaCl, 50% glycerol, 100µg/ml BSA
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	-20°C

## BACKGROUND

<b>Introduction</b>	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine
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kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encoding this gene and overexpression of this kinase are seen in some breast cancer cell lines. Alternate translational start sites have been described and alternate transcriptional splice variants have been observed but have not been thoroughly characterized.

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<b>Keywords</b>	RPS6KB1;ribosomal protein S6 kinase, 70kDa, polypeptide 1;S6K;PS6K;S6K1;STK14A;p70-S6K;p70 S6KA;p70-alpha;S6K-beta-1
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## GENE INFORMATION

Entrez Gene ID [6198](#)

UniProt ID [P23443](#)