



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

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

BACKGROUND

Introduction This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine

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.

Keywords	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
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UniProt ID	P23443
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