CSK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CSK, Polyclonal Antibody
Full Product Name	CSK (Phospho-Tyr304) Polyclonal Conjugated Antibody
Product Gene Name	anti-CSK antibody
Product Synonym Names	CSK (Phospho-Tyr304) Conjugated Antibody; CSK; C-src tyrosine kinase; C-Src kinase; Protein-tyrosine kinase CYL; Tyrosine-protein kinase CSK; C-SRC; Cytoplasmic tyrosine kinase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	CSK (Phospho-Tyr304) antibody detects endogenous levels of CSK only when phosphorylated at Tyr304
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	50,704 Da
Chromosome Location	Chromosome: 15; NC_000015.9 (75074425..75095539). Location: 15q24.1
OMIM	124095
3D Structure	ModBase 3D Structure for P41240
Immunogen	A synthesized peptide derived from human CSK (Phospho-Tyr304)
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-CSK antibody	Most Applications
Application Notes for anti-CSK antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-CSK antibody	MBS9437843 is an antibody targeting CSK. Also known as CSK (Phospho-Tyr304) Polyclonal Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CSK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSK. It may not necessarily be applicable to this product.

NCBI GI #	187475373
NCBI GeneID	1445
NCBI Accession #	NP_001120662.1
UniProt Primary Accession #	P41240
UniProt Secondary Accession #	Q2M3N2; Q6FGZ6
UniProt Related Accession #	P41240
GenBank Nucleotide #	NM_001127190.1
NCBI Official Full Name	tyrosine-protein kinase CSK
NCBI Official Synonym Full Names	c-src tyrosine kinase
NCBI Official Symbol	CSK
UniProt Protein Name	Tyrosine-protein kinase CSK
UniProt Synonym Protein Names	C-Src kinase; Protein-tyrosine kinase CYL
Protein Family	Chloroplast sensor kinase
UniProt Gene Name	CSK
UniProt Entry Name	CSK_HUMAN
NCBI Protein Information	tyrosine-protein kinase CSK; C-Src kinase; protein-tyrosine kinase CYL
UniProt Comments for CSK	CSK: a tyrosine kinase of the Csk family that phosphorylates and inhibits Src family kinases. Specifically phosphorylates Y504 on LCK, which acts as a negative regulatory site. Csk and the phospho-tyrosine phosphatase CD45 reciprocally regulate phosphorylation of the inhibitory tyrosine of the Src family kinases Lck and Fyn during T-cell receptor mediated signaling during thymic development. Protein type: Protein kinase, TK; EC 2.7.10.2; Kinase, protein; Protein kinase, tyrosine (non-receptor); TK group; Csk family Chromosomal Location of Human Ortholog: 15q24.1 Cellular Component: extrinsic to internal side of plasma membrane; cytoplasm; plasma membrane; intercellular junction; cytosol; lipid raft Molecular Function: protein C-terminus binding; identical protein binding; protein binding; protein-tyrosine kinase activity; non-membrane spanning protein tyrosine kinase activity; protein phosphatase binding; ATP binding; receptor binding Biological Process: epidermal growth factor receptor signaling pathway; platelet activation; negative regulation of kinase activity; negative regulation of phagocytosis; cell migration; central nervous system development; negative regulation of Golgi to plasma membrane protein transport; protein amino acid phosphorylation; T cell receptor signaling pathway; regulation of cytokine production; regulation of cell proliferation; positive regulation of MAP kinase activity; negative regulation of cell proliferation; T cell costimulation; negative regulation of interleukin-6 production; innate immune response; oligodendrocyte differentiation; morphogenesis of an epithelium; brain development; negative regulation of bone resorption; cell differentiation; blood coagulation; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on CSK	**1.** No significant association was observed for CSK rs1378942 or MTHFR rs17367504 and hypertension in East Asians.
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