

KD-Validated Anti-C-terminal Src kinase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2393

Product Information

Application	WB, ICC
Primary Accession	P41240
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 1920
Calculated MW	50704
Gene Name	CSK
Aliases	CSK; C-Terminal Src Kinase; CSK, Non-Receptor Tyrosine Kinase; Tyrosine-Protein Kinase CSK; Protein-Tyrosine Kinase CYL; C-Src Tyrosine Kinase; C-Src Kinase; EC 2.7.10.2; EC 2.7.10
Immunogen	A synthesized peptide derived from human CSK

Additional Information

Gene ID	1445
Other Names	Tyrosine-protein kinase CSK, 2.7.10.2, C-Src kinase, Protein-tyrosine kinase CYL, CSK

Protein Information

Name	CSK
Function	Non-receptor tyrosine-protein kinase that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Phosphorylates tyrosine residues located in the C-terminal tails of Src-family kinases (SFKs) including LCK, SRC, HCK, FYN, LYN, CSK or YES1. Upon tail phosphorylation, Src-family members engage in intramolecular interactions between the phosphotyrosine tail and the SH2 domain that result in an inactive conformation. To inhibit SFKs, CSK is recruited to the plasma membrane via binding to transmembrane proteins or adapter proteins located near the plasma membrane. Suppresses signaling by various surface receptors, including T-cell receptor (TCR) and B-cell receptor (BCR) by phosphorylating and maintaining inactive several positive effectors such as FYN or LCK. May act as a negative regulator of EGFR and STAT3 signaling pathways (PubMed: 26918609).
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:P41241}. Cell membrane {ECO:0000250 UniProtKB:P41241}. Note=Mainly cytoplasmic, also present in

lipid rafts. {ECO:0000250|UniProtKB:P41241}

Tissue Location

Expressed in lung and macrophages.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.