

## CASK Antibody (Center K227)

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|----------------|---|
| Catalog_no :   | AB2484  |
| Reactivity :   | H   |
| Category :     | 抗原抗体  |
| Size :         | 100 $\mu$ L/50 $\mu$ L  |
| Immunogen :    | HUMAN:262-291   |
| Specificity :  | This CASK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 262-291 amino acids from the Central region of human CASK.   |
| Dilution :     | WB,1:1000;WB,1:1000;WB,1:1000;  |
| Purification : | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.   |
| Other_name :   | Peripheral plasma membrane protein CASK, hCASK, Calcium/calmodulin-dependent serine protein kinase, Protein lin-2 homolog, CASK, LIN2   |
| Isotype :      | Rabbit Ig   |
| Background :   | Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the $\gamma$ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The calcium/calmodulin-dependent kinase (CAMK) group consists of 75 kinases regulated by $Ca^{2+}$ /CaM and close relative family (CAMK, CAMKL, DAPK, MAPKAPK). |
| reference :    | Stevenson, D., et al., Mamm. Genome 11(10):934-937 (2000). Cohen, A.R., et al., J. Cell Biol. 142(1):129-138 (1998). Daniels, D.L., et al., Nat. Struct. Biol. 5(4):317-325 (1998).   |