

STYK1 Mouse Monoclonal Antibody

E10-20168

Background: Protein kinases (PKs) represent a well studied but most diverse protein superfamily. The covalent, reversible linkage of phosphate to serine, threonine, and tyrosine residues of substrate proteins by protein kinases is probably ubiquitous cellular mechanism for regulation of physiological processes. It is known to us that most signaling pathways impinge at some point on protein kinases. Here we report a human putative receptor protein kinase cDNA STYK1. The STYK1 cDNA is 2749 base pairs in length and contains an open reading frame encoding 422 amino acids. The STYK1 gene is mapped to human chromosome 12p13 and 11 exons were found. RT-PCR showed that STYK1 is widely expressed in human tissues.

Catalog Number: E10-20168

Amount: 100 μ g/100 μ l

Clone Number: 2H2F10

Species: Mouse IgG1

Aliases: NOK; SuRTK106; DKFZp761P1010

Entrez Gene: 55359

Immunogen: Purified recombinant fragment of STYK1 expressed in E. Coli.

Storage: Store at 4 $^{\circ}$ C for long term storage, store at

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,IHC,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB. 1/500 - 1/2000,IHC.1/200 - 1/1000.ELISA. Propose dilution 1/10000.

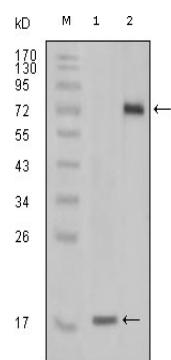


Figure 1. Western blot analysis using STYK1 mouse mAb against truncated STYK1 recombinant protein(1) and STYK1 (aa47-422)-hIgGFc transfected CHO-K1 cell lysate (2).

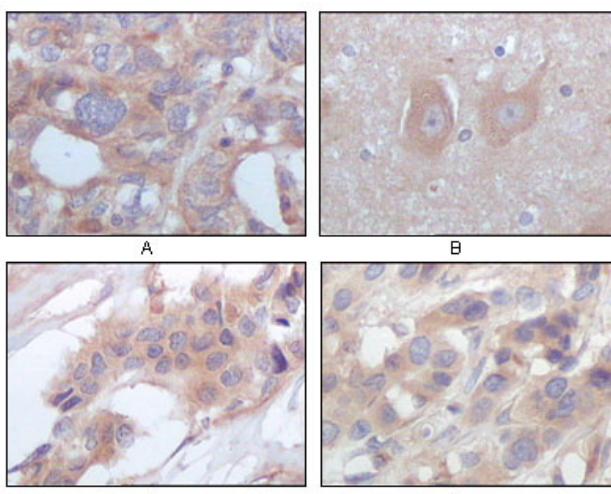


Figure 2. Immunohistochemical analysis of paraffin-embedded human ovary carcinoma (A), normal cerebrum tissues (B), breast infiltrating carcinoma (C) and breast infiltrating carcinoma (D), showing cytoplasmic localization using STYK1/NOK mouse mAb with DAB staining.

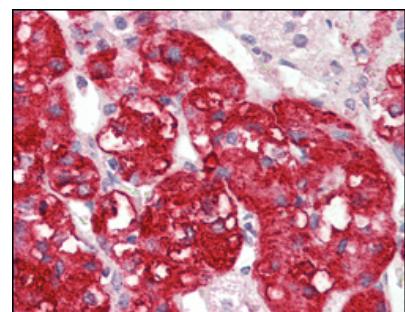


Figure 3. Immunohistochemical analysis of paraffin-embedded human adrenal tissues using STYK1/NOK mouse mAb with DAB staining.