BT LAB
Bioassay Technology Laboratory
Optimize Your Research

STYK1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3271
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of STYK1 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC
Concentration	N/A
Full name	N/A
Synonyms	NOK;SuRTK106;DKFZp761P1010

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

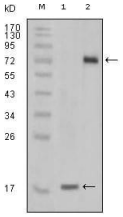
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

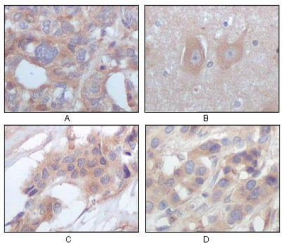
ELISA: 1:10000

Not yet tested in other applications.

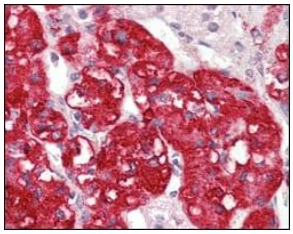
Images



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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