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STYK1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7729a

Product Information

Application	WB, E
Primary Accession	Q6J9G0
Other Accession	Q52LR3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB9197
Calculated MW	47577
Antigen Region	31-64

Additional Information

Gene ID	55359
Other Names	Tyrosine-protein kinase STYK1, Novel oncogene with kinase domain, Protein PK-unique, Serine/threonine/tyrosine kinase 1, STYK1, NOK
Target/Specificity	This STYK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-64 amino acids from the N-terminal region of human STYK1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	STYK1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STYK1
Synonyms	NOK
Function	Probable tyrosine protein-kinase, which has strong transforming capabilities

	on a variety of cell lines. When overexpressed, it can also induce tumor cell invasion as well as metastasis in distant organs. May act by activating both MAP kinase and phosphatidylinositol 3'-kinases (PI3K) pathways (By similarity).
Cellular Location	Membrane; Single-pass membrane protein
Tissue Location	Widely expressed. Highly expressed in brain, placenta and prostate. Expressed in tumor cells such as hepatoma cells L-02, cervix carcinoma cells HeLa, ovary cancer cells Ho8910 and chronic myelogenous leukemia cells K-562, but not in other tumor cells such as epidermoid carcinoma (A-431). Undetectable in most normal lung tissues, widely expressed in lung cancers

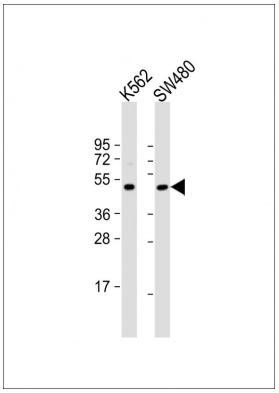
Background

STYK1, a probable tyrosine protein-kinase, which has strong transforming capabilities on a variety of cell lines. When overexpressed, it can also induce tumor cell invasion as well as metastasis in distant organs. May act by activating both MAP kinase and phosphatidylinositol 3'-kinases (PI3K) pathways. It is widely expressed; highly expressed in brain, placenta and prostate. STYK1 is expressed in tumor cells such as hepatoma cells LO2, cervix carcinoma cells HeLa, ovary cancer cells Ho8910 and chronic myelogenous leukemia cells K562, but not in other tumor cells such as epidermoid carcinoma.

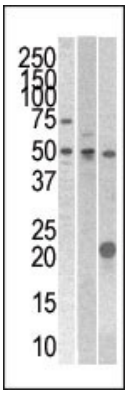
References

Ye, X., et al., Mol. Biol. Rep. 30(2):91-96 (2003).

Images



All lanes : Anti-STYK1 Antibody (N-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: SW480 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



The anti- STYK1 Pab (Cat. #AP7729a) is used in Western blot to detect STYK1 in 293 , CEM (center), and mouse kidney cell line/tissue lysates.