

## STYK1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7729a

## **Specification**

## STYK1 Antibody (N-term) - Product Information

Application WB,E
Primary Accession Other Accession O52LR3

Reactivity Human, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 47577
Antigen Region 31-64

## STYK1 Antibody (N-term) - 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.

## STYK1 Antibody (N-term) - Protein Information

#### Name STYK1



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## **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**

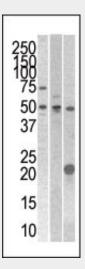
Widely expressed. Highly expressed in brain, placenta and prostate. Expressed in tumor cells such as hepatoma cells L-02, cervix carcinoma cells HeLa, ovary cancer cells Ho8910 and chronic myelogenous leukemia cells K-562, but not in other tumor cells such as epidermoid carcinoma (A-431). Undetectable in most normal lung tissues, widely expressed in lung cancers

#### STYK1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

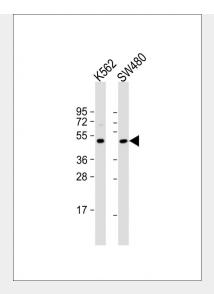
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# STYK1 Antibody (N-term) - Images



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.





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  $\mu$ g 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.

## STYK1 Antibody (N-term) - 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.

## STYK1 Antibody (N-term) - References

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