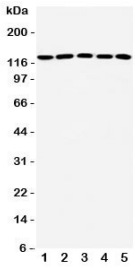
ST5 Antibody (R31411)

Catalog No.	Formulation	Size
R31411	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P78524
Applications	Western blot: 0.5-1ug/ml
Limitations	This ST5 antibody is available for research use only.



Western blot testing of ST5 antibody and Lane 1: rat testis; 2: human A431; 3: (h) HeLa; 4: (h) COLO320; 5: mouse NIH3T3 lysate. Predicted/observed molecular weight: ~126kDa.

Description

Suppression of tumorigenicity 5 is a protein that in humans is encoded by the ST5 gene. This gene is mapped to 11p15.4. The protein encoded by this gene contains a C-terminal region that shares similarity with the Rab3 family of small GTP binding proteins. This protein preferentially binds to the SH3 domain of c-Abl kinase, and acts as a regulator of MAPK1/ERK2 kinase, which may contribute to its ability to reduce the tumorigenic phenotype in cells. Three alternatively spliced transcript variants of this gene encoding distinct isoforms are identified.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ST5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human ST5 (KRHSHDDMLLLAQLSL) was used as the immunogen for this ST5 antibody.

Storage

After reconstitution, the ST5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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