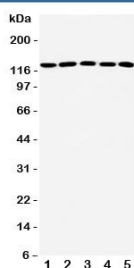


## ST5 Antibody (R31411)

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

**Bulk quote request**

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                        |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                        |
| <b>Format</b>             | Antigen affinity purified                                                |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                               |
| <b>Isotype</b>            | Rabbit IgG                                                               |
| <b>Purity</b>             | Antigen affinity                                                         |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| <b>UniProt</b>            | P78524                                                                   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                                                |
| <b>Limitations</b>        | 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.