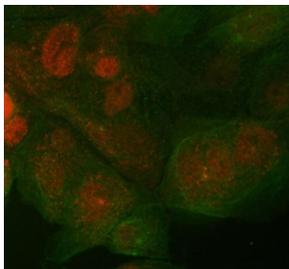


## ST7 Antibody / Suppressor of Tumorigenicity 7 (R32629)

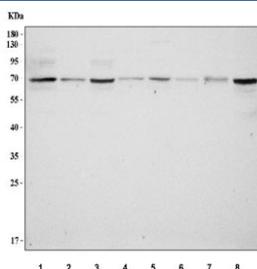
Catalog No.	Formulation	Size
R32629	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

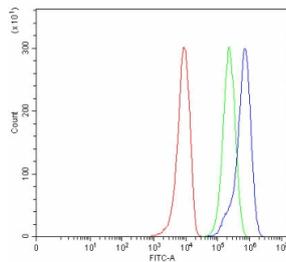
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9NRC1
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This ST7 antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with ST7 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human Jurkat, 3) human PC3, 4) rat brain, 5) rat heart, 6) mouse brain, 7) mouse heart and 8) mouse Neuro-2a cell lysate with ST7 antibody. Predicted molecular weight ~67 kDa.



Flow cytometry testing of fixed and permeabilized human 293T cells with ST7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ST7 antibody.

## Description

Suppressor of tumorigenicity protein 7 is a protein that in humans is encoded by the ST7 gene. The gene for this product maps to a region on chromosome 7 identified as an autism-susceptibility locus. Mutation screening of the entire coding region in autistic individuals failed to identify phenotype-specific variants, suggesting that coding mutations for this gene are unlikely to be involved in the etiology of autism. The function of this gene product has not been determined. Transcript variants encoding different isoforms of this protein have been described.

## Application Notes

Optimal dilution of the ST7 antibody should be determined by the researcher.

## Immunogen

Amino acids 268-309 (DGCYRRSQQLQHHGSQYEAQHRRDTNVLVYIKRRLAMCARRL-human) were used as the immunogen for the ST7 antibody.

## Storage

After reconstitution, the ST7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.