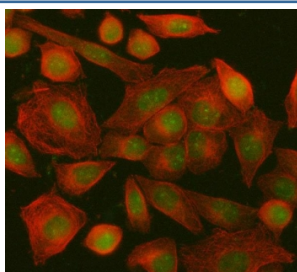


## ING5 Antibody / Inhibitor of growth protein 5 (RQ8583)

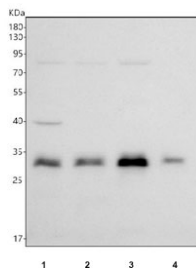
Catalog No.	Formulation	Size
RQ8583	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

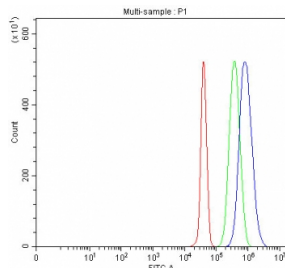
<b>Availability</b>	1-3 days
<b>Species Reactivity</b>	Human, Monkey
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q8WYH8
<b>Localization</b>	Nuclear
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This ING5 antibody is available for research use only.



Immunofluorescent staining of FFPE human SiHa cells with ING5 antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human Jurkat, 2) human PC-3, 3) human 293T and 4) monkey COS-7 cell lysate with ING5 antibody. Predicted molecular weight ~28 kDa.



Flow cytometry testing of fixed and permeabilized human JK cells with ING5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=ING5 antibody.

## Description

Inhibitor of growth protein 5 is a protein that in humans is encoded by the ING5 gene. This gene encodes a tumor suppressor protein that inhibits cell growth and induces apoptosis. This protein contains a PHD-type zinc finger. It interacts with tumor suppressor p53 and p300, a component of the histone acetyl transferase complex, suggesting a role in transcriptional regulation. Alternative splicing and the use of multiple promoters and 3' terminal exons results in multiple transcript variants.

## Application Notes

Optimal dilution of the ING5 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids K38-K82) was used as the immunogen for the ING5 antibody.

## Storage

After reconstitution, the ING5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.