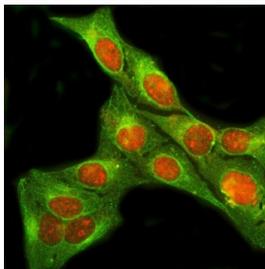


## SIX4 Antibody / Sine oculis homeobox homolog 4 (RQ8216)

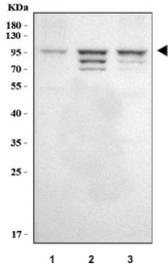
Catalog No.	Formulation	Size
RQ8216	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

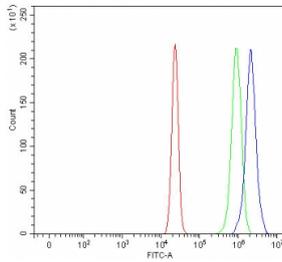
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9UIU6
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This SIX4 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with SIX4 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) A431, 2) RT4 and 3) U-2 OS cell lysate with SIX4 antibody. Predicted molecular weight ~83 kDa, commonly observed at 83-98 kDa.



Flow cytometry testing of fixed and permeabilized human U937 cells with SIX4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SIX4 antibody.

## Description

Homeobox protein SIX4 is a protein that in humans is encoded by the SIX4 gene. This gene encodes a member of the homeobox family, subfamily SIX. The drosophila homolog is a nuclear homeoprotein required for eye development. Studies in mouse show that this gene product functions as a transcription factor, and may have a role in the differentiation or maturation of neuronal cells.

## Application Notes

Optimal dilution of the SIX4 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids Q387-L781) was used as the immunogen for the SIX4 antibody.

## Storage

After reconstitution, the SIX4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.