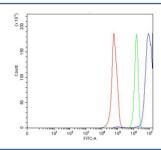


# LHX4 Antibody / LIM homeobox protein 4 (RQ7091)

Catalog No.	Formulation	Size
RQ7091	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q969G2
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This LHX4 antibody is available for research use only.



Flow cytometry testing of human RT4 cells with LHX4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LHX4 antibody.



Western blot testing of human 1) HepG2, 2) HeLa, 3) A549 and 4) T-47D cell lysate with LHX4 antibody. Predicted molecular weight ~43 kDa.

## **Description**

LIM/homeobox protein Lhx4 is a protein that in humans is encoded by the LHX4 gene. This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein is a transcription factor involved in the control of differentiation and development of the pituitary gland. Mutations in this gene cause combined pituitary hormone deficiency 4.

### **Application Notes**

Optimal dilution of the LHX4 antibody should be determined by the researcher.

### **Immunogen**

Recombinant human protein (amino acids S238-F390) was used as the immunogen for the LHX4 antibody.

#### **Storage**

After reconstitution, the LHX4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.