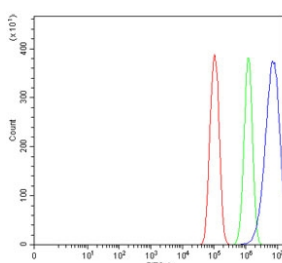


Positive cofactor 4 Antibody / PC4 / SUB1 [clone 2D13E3] (RQ7039)

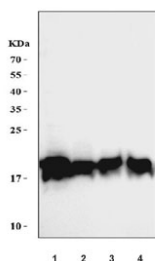
Catalog No.	Formulation	Size
RQ7039	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	2D13E3
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P53999
Localization	Nuclear
Applications	Western Blot : 0.5-1 ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Positive cofactor 4 antibody is available for research use only.



Flow cytometry testing of human PC-3 cells with Positive cofactor 4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Positive cofactor 4 antibody.



Western blot testing of human 1) HeLa, 2) Jurkat, 3) A549 and 4) HepG2 cell lysate with Positive cofactor 4 antibody. Expected molecular weight: 15-19 kDa (unmodified) and ~26 kDa (phosphorylated).

Description

Activated RNA polymerase II transcriptional coactivator p15, also known as positive cofactor 4 (PC4) or SUB1 homolog, is a protein that in humans is encoded by the SUB1 gene. This gene is mapped to 5p13.3. The transcriptional cofactor PC4 is an ancient single-strand DNA (ssDNA)-binding protein that has a homologue in bacteriophage T5 where it is likely the elusive replicative ssDNA-binding protein. The recombinant PC4 is shown to function identically to the native protein through its interaction with TAFs.

Application Notes

Optimal dilution of the Positive cofactor 4 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids N62-L127) was used as the immunogen for the Positive cofactor 4 antibody.

Storage

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