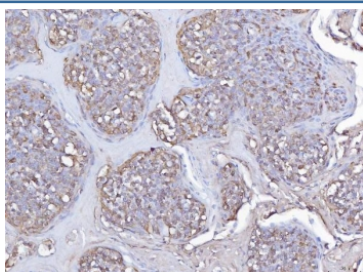


## PLEK Antibody / Pleckstrin (RQ7023)

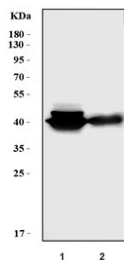
Catalog No.	Formulation	Size
RQ7023	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

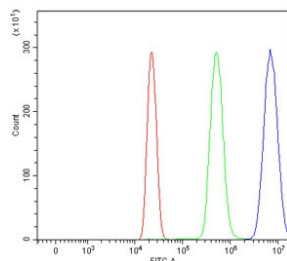
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P08567
<b>Localization</b>	Cytoplasmic, extracellular
<b>Applications</b>	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This PLEK antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with PLEK antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HEL and 2) U-937 cell lysate with PLEK antibody.  
Predicted molecular weight: ~40 kDa.



Flow cytometry testing of human HL60 cells with PLEK antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PLEK antibody.

## Description

Enables phosphatidylinositol-3,4-bisphosphate binding activity; protein homodimerization activity; and protein kinase C binding activity. Involved in several processes, including G protein-coupled receptor signaling pathway; actin cytoskeleton organization; and positive regulation of supramolecular fiber organization. Located in cytoplasm and ruffle membrane.

## Application Notes

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

## Immunogen

Recombinant human protein (amino acids M47-K308) was used as the immunogen for the PLEK antibody.

## Storage

After reconstitution, the PLEK 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.