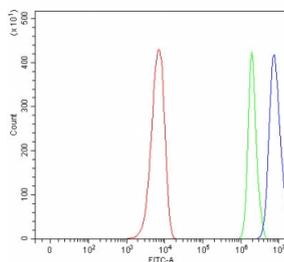


PAN2 Antibody / USP52 (RQ8005)

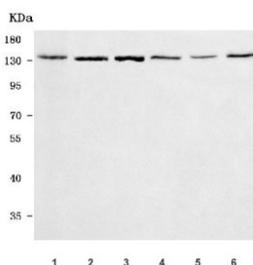
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RQ8005 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[Bulk quote request](#)

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse, Rat |
| Format | Antigen affinity purified |
| Host | Rabbit |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity purified |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose |
| UniProt | Q504Q3 |
| Applications | Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml |
| Limitations | This PAN2 antibody is available for research use only. |



Flow cytometry testing of fixed and permeabilized human PC-3 cells with PAN2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PAN2 antibody.



Western blot testing of 1) human HepG2, 2) human HEL, 3) human Daudi, 4) rat PC-12, 5) mouse thymus and 6) mouse NIH 3T3 cell lysate with PAN2 antibody. Predicted molecular weight ~135 kDa.

Description

PAB-dependent poly(A)-specific ribonuclease subunit 2, also called Inactive ubiquitin carboxyl-terminal hydrolase 52 (USP52), is an enzyme that in humans is encoded by the PAN2 gene. This gene encodes a deadenylase that functions as the catalytic subunit of the polyadenylate binding protein dependent poly(A) nuclease complex. The encoded protein is a magnesium dependent 3' to 5' exoribonuclease that is involved in the degradation of cytoplasmic mRNAs. Alternate splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the PAN2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-L356) was used as the immunogen for the PAN2 antibody.

Storage

After reconstitution, the PAN2 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.