

Anti-Pura antibody, rabbit polyclonal

Product code	70-460
Size	100 µg
Storage	-20°C
Concentration	1.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Affinity-purified from rabbit antiserum with GST-Pura agarose column and anti-GST antibodies were adsorbed with GST agarose column.
Immunogen	Recombinant GST-Pura (human, full-length) expressed in E. coli
Isotype	Rabbit IgG
Reactivity	Human and mouse. Not tested with other species.
Special notes	N/A
Application	<ol style="list-style-type: none"> 1. Western blotting (1/1,000~1/3,000 dilution) 2. Immunoprecipitation (1/1,000 dilution) 3. Immunofluorescence staining (1/100~1/500)
Background	This is a probable transcription activator that specifically binds the purine-rich single strand of the PUR element located upstream of the MYC gene. May play a role in the initiation of DNA replication and in recombination. Human and mouse Pura has molecular mass of 35 kDa.
Data Link	UniProtKB Q00577 (PURA_HUMAN)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 70-460 Anti-Pura antibody, rabbit polyclonal

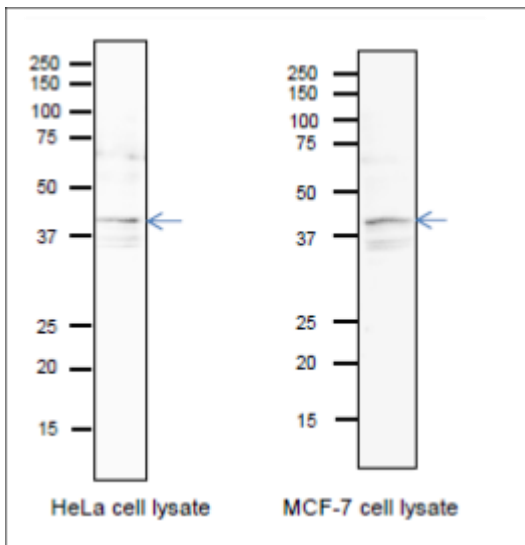


Fig.1 Identification of endogenous Pura protein in whole cell extracts of HeLa cells and MCF-7 cells.

Arrow indicates the position of PURA bands

The anti-Pura antibody was used at 1/1,000 dilution. 12.5% SDS-PAGE was used. Blotting was done in wet system at 15 v overnight. CanGetSignal (Toyobo, Osaka) was used as a signal enhancer.



Fig.2 Identification of Pura protein band by western blotting, using siRNA.

HCT116 cells were transfected with siPura and the cell lysates were prepared after 48 h. The Pura band was indicated by an arrow at 38 kDa position.

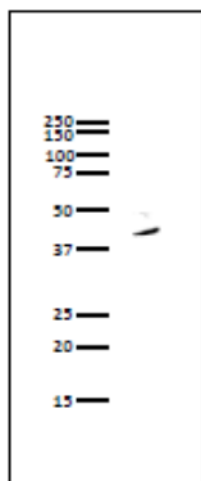


Fig.3. Immunoprecipitation of Pura protein from whole cell lysate of HeLa cells with anti-PURA antibody.

Whole cell lysate of HeLa cells was reacted with anti-Pura antibody and precipitated with protein G conjugated magnetic beads, and analyzed by WB by using anti-Pura antibody. As the secondary antibody, anti-rabbit IgG antibody conjugated with HRP was used.

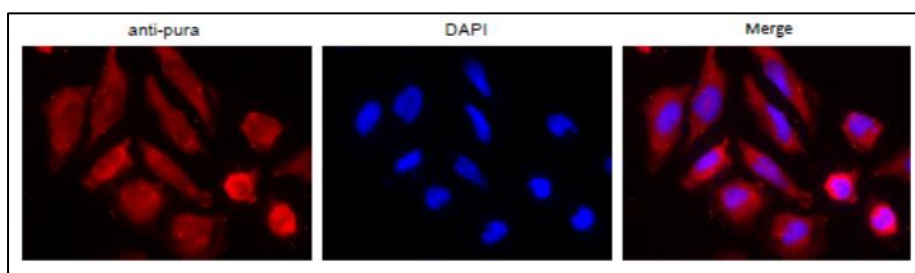


Fig.4 Immunofluorescence attaining of Pura protein in HeLa cells with anti-Pura antibody.

The anti-Pura antibody was used at 1/100 dilution and as the second antibody, Alexa 555-conjugated goat anti-rabbit IgG antibody was used at 1/1,000 dilution. DNA was stained with DAPI.