

## Anti-Pura antibody, rabbit polyclonal, affinity purified

70-460 100 µg

**Shipping and Storage:** Shipped at 4°C or -20°C and store at -20°C.

**Immunogen:** Recombinant GST-Pura (human, full-length) expressed in E. coli

**Form:** 1mg/ml in PBS<sup>-</sup> with 50% glycerol, filter-sterilized. Azide and carrier free.

**Purity:** Affinity-purified from rabbit antiserum with GST-Pura agarose column and anti-GST antibodies were adsorbed with GST agarose column.

**Reactivity:** Human and mouse. Not tested with other species.

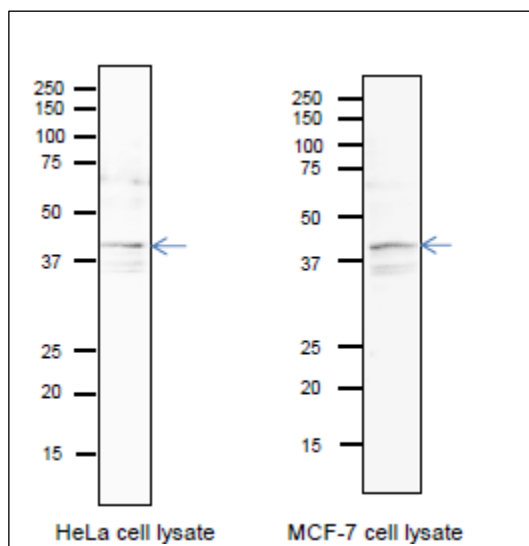
### Applications:

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 Links:** [SwissProt: Q00577](#) Human [Unigene: 443121](#) Human

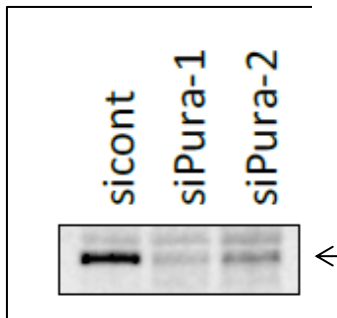
[Entrez Gene: 5813](#) Human



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

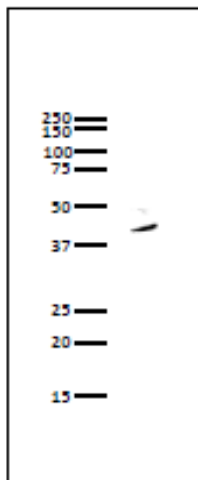
Arrow indicates the position of PURA bands

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.



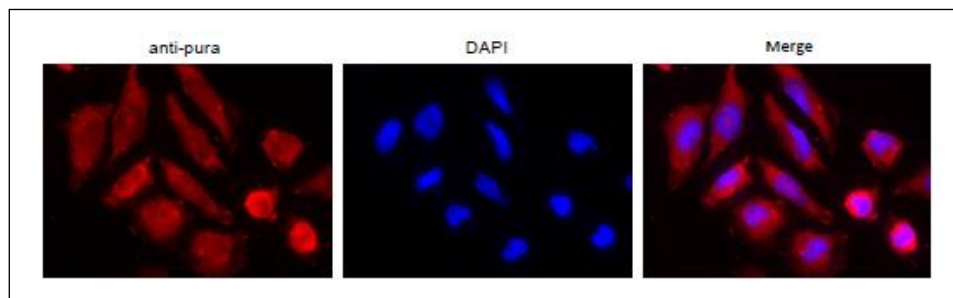
**Fig.2 Identification of Pura protein band by western blotting, using siRNA.**

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.