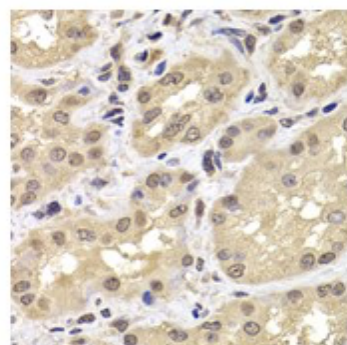
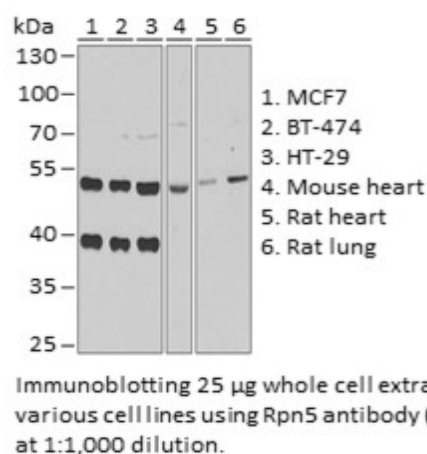


**Product Name:** Rpn5 Rabbit pAb  
**Catalog #:** Y2342-20; Y2342-100  
**Also Known As:** PSMD12; Rpn5; p55; STISS  
**Quantity:** 20 µl for Y2342-20; 100 µl for Y2342-100  
**Concentration:** See labels on tube  
**Host Species:** Rabbit  
**Isotype:** IgG  
**Reactivity:** Human, Mouse, Rat  
**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 197-456 of human Rpn5.  
**Swiss Prot. #:** O00232  
**Calculated MW:** 52 kDa  
**Detected MW:** 52 kDa  
**Applications:** WB (1:500 - 1:2,000)  
 IHC (1:50 - 1:200)  
 IP (not tested)  
 IF (not tested)  
 Note: Antibody dilution should be optimized by users.

**Images:**



Immunohistochemistry of paraffin-embedded human kidney using Rpn5 antibody (Y2342) at 1:100 dilution.

**Purification:** Protein A or G affinity purification  
**Buffer:** PBS with 0.02% sodium azide, 50% glycerol, pH7.3  
**Storage:** Store at -20°C. Centrifuge to maximize product recovery.  
**Background:** Rpn5 is a subunit of the 19S regulatory particle (PA700) of the 26S proteasome. The 26S proteasome is composed of 33 different proteins and responsible for degrading polyubiquitinated proteins in an ATP hydrolysis-dependent manner. The 19S regulatory particle can bind polyubiquitin chains to recruit substrates, deubiquitinate to recycle ubiquitin, unfold substrate proteins under ATP hydrolysis, and translocate unfolded proteins to the 20S proteasome for hydrolysis.  
**Reference:**  
 1. Saito A, et al. (1997) Gene 203, 241 - 250.  
 2. Kury S, et al. (2017) Am J Hum Genet 100, 352 - 363.  
**Note:** This product is for research use only.