

## PSMC3 (V306) polyclonal antibody

Catalog: BCP01377

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 49 kDa

### Swiss-Prot:

P17980

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

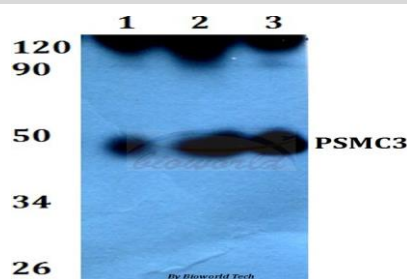
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

PSMC3 (V306) polyclonal antibody detects endogenous levels of PSMC3 protein.

### DATA:



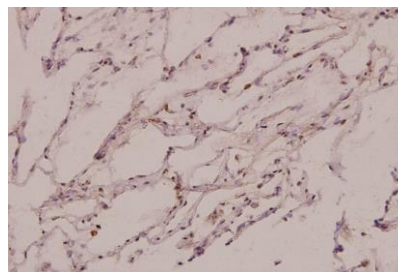
Western blot (WB) analysis of PSMC3 (V306) pAb at 1:500 dilution

Lane1:MCF-7 whole cell lysate(20ug)

Lane2:HEK293T whole cell lysate(20ug)

Lane3:The Uterus tissue lysate of Rat(20ug)

Lane4:The Kidney tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of PSMC3 (V306) pAb in paraffin-embedded human lung carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.