# UBE1L (E996) polyclonal antibody

| Catalog: | BCP01693 | Host: | Rabbit | Reactivity: | Human,Mouse,Rat |
|---|---|---|---|---|---|

## BackGround:

The ubiquitin activating enzyme E1 (UBE1) catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. UBE1 activates ubiquitin by first adenylating (with ATP) its carboxy-terminal glycine residue and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and a free AMP. UBE1 is an example of an X-Y homologous gene, which is X-linked with a distinct Y-linked gene in many mammals. UBE1L (Ubiquitin-activating enzyme E1 homolog), also known as UBA7 (Ubiquitin-like modifier-activating enzyme 7) or UBE2, is a 1011 amino acid homolog of UBE1. Like UBE1, UBE1L functions in the activation of ubiquitin through ATP-dependent adenylation. UBE1L is expressed in tumor cells and is a retinoid target that, through conjugation with ISG15 (Interferon-induced 15 kDa protein), triggers degradation and apoptosis in acute promyelocytic leukemia.

## Product:

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

## Molecular Weight:

~ 112 kDa

## Swiss-Prot:

P41226

## 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

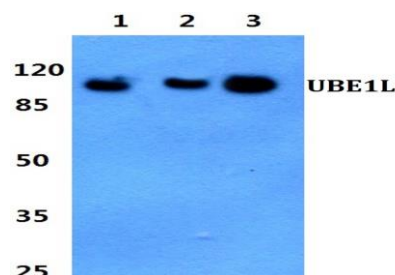IHC: 1:50~1:200

## Storage&Stability:

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

## Specificity:

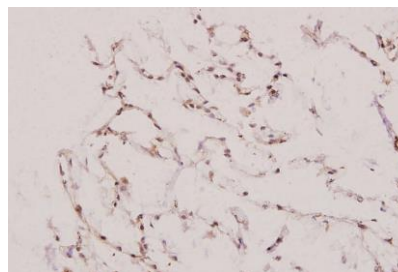UBE1L (E996) polyclonal antibody detects endogenous levels of UBE1L protein.

## DATA:



Western blot (WB) analysis of UBE1L (E996) polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate(40ug)

Lane2:LOVO whole cell lysate(40ug)

Lane3:CT26 whole cell lysate(40ug)

Lane4:C6 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of UBE1L (E996) pAb in paraffin-embedded human lung carcinoma tissue at 1:100.

## Note:

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