# pan-TriMethyl-lysine polyclonal antibody

Catalog: BS74113 Host: Rabbit Reactivity: Human, Mouse, Rat

## BackGround:

Methylation of lysine residues is a common regulatory post-translational modification (PTM) that results in the mono-, di-, or tri-methylation of lysine at ε-amine groups by protein lysine methyltransferases (PKMTs).The post-translational ε-amino lysine methylated proteins is an important reversible modification which plays a vital role in the regulation of many cellular processes including chromatin dynamics and gene transcription. Methylation of lysine residues is modulated by specific counteractive enzymes including lysine methylases (KMTs) and demethylases (KDMs). Lysine trimethylation occurs in both histones and non-histone substratres. It has become promising targets for discovery of anti-cancer drugs.

## Product:

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

## Molecular Weight:

18-55KDa

## Swiss-Prot:

## 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 - 1:2000

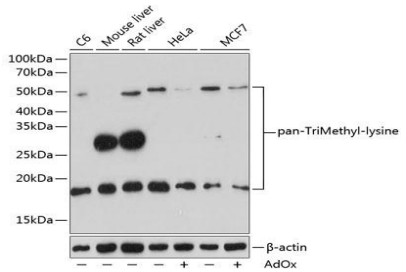
## Storage&Stability:

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

## Modification:

Methylated

## DATA:




Western blot analysis of extracts of various cell lines, using pan-TriMethyl-lysine pAb at 1:500 dilution.HeLa and MCF7 cells were treated by ADOX for 24 hours .<br/>Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.<br/>Lysates/proteins: 25ug per lane.<br/>Blocking buffer: 3% nonfat dry milk in TBST.<br/>Detection: ECL Enhanced Kit .<br/>Exposure time: 3min.

## Note:

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

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