

AP23430PU-N**Polyclonal Antibody to Tri-methyl Lysine Agarose (beaded) - Liquid****Alternate names:**

N-epsilon Trimethyl Lysine

Quantity:

1 ml

Background:

Protein lysine trimethylation is one of the important events in post-translational modification. Trimethylation of histones have been extensively studied. The non-histone trimethylation may also play an important role in protein functions. Simple and effective tool for rapid isolation and purification of the trimethylated species is essential for proteomic profiling of the trimethylated proteins in different stage of development, diseases, and signal stimulation, and identification of the protein trimethylation site.

Host / Isotype:

Rabbit / IgG

Format:**State:** 0.5 ml beaded Agarose suspended in 1 ml of Glycerol.**Applications:**

Rapid isolation and purification of peptides or proteins with trimethylated lysine residues from the mixtures of cell lysates or protease-digested mixtures. This antibody be utilized as affinity matrix for rapid isolation and purification of the species of protein or peptides with trimethyl Lysine residues. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Capture the peptides and proteins with Trimethylated lysine residues (N-epsilon). Does not cross-react with Acetylated proteins and Mono- and Dimethylated proteins.
Binding Capacity: Approximately 0.2 mg/ml of trimethylated Histone.
Antibody immobilized: 2 mg/ml, antibody is covalently linked through amide bond with NHS activated-SMCC then linked to thiolated Agarose beads via thiol ether bond.

Storage:

Store the antibody at -20°C.
Shelf life: one year from despatch.