



Anti-Tri-methyl Lysine polyclonal antibody (DPAB4049)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Tri-methyl Lysine Polyclonal Antibody
Specificity	This antibody will detect proteins with N-trimethylated lysine residues. It will not cross-react with acetylated proteins or mono- and dimethylated proteins. Since the epitope is N-trimethylated lysine, it will detect this epitope on any protein. The antibody is affinity-purified from the antiserum against chemically-methylated protein antigen. It is adsorbed using N-(epsilon) mono- and dimethylated lysines.
Immunogen	methylated lysines conjugated to KLH
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	ELISA, IB, WB, IP, IF, IHC
Format	PBS with 50% glycerol
Size	100 µg
Preservative	None
Storage	Store the antibody at -20°C. The material is stable for up to twelve months. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

BACKGROUND

Introduction

Many proteins are post translationally modified. Modifications such as phosphorylation, glycosylation, ubiquitination and methylation have been shown to play an important role in the development, physiology and disease of animals and plants. Histone lysine methylation is regarded as a very stable modification with important functions in epigenetic gene control and for organizing chromatin domains.

Keywords

2-amino-6-trimethylammonio-hexanoate; N6,N6,N6-Trimethyl-L-lysine; trimethyllysine; (S)-2-Amino-6-(trimethylammonio)hexanoic acid; (S)-5-Amino-5-carboxy-N,N,N-trimethyl-1-pentanaminium; Chebi:17311; epsilon-N-Trimethyl-L-lysine; epsilon-Trimethyl-L-lysine; epsilon-Trimethyllysine; N(6),N(6),N(6)-Trimethyl-L-lysine-N(6)-ium; N(epsilon)-Trimethyllysine