TriMethyl-Histone H3-K36 Rabbit mAb

Catalog No.: RA8025

Basic Information

Observed MW
17KDa

Calculated MW
16kDa

Category
Primary antibody

Applications
IF/ICC,ChIP

Cross-Reactivity
Human

Background

This antibody reacts to Histone H3 trimethylated at Lysine 36 (K36me3). No cross reactivity with monomethylated Lysine 36 (K36me1) or dimethylated Lysine 36 (K36me2), or other methylations in histone H3.

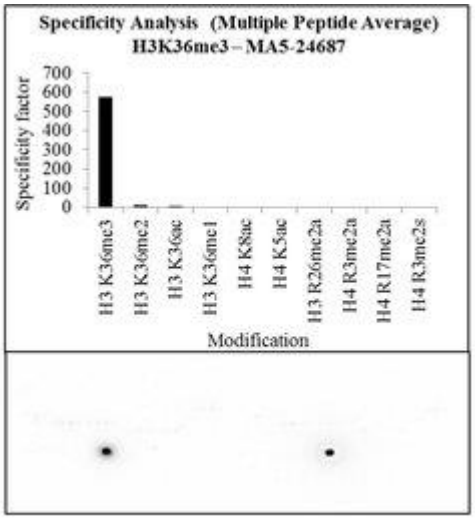
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Recommended Dilutions

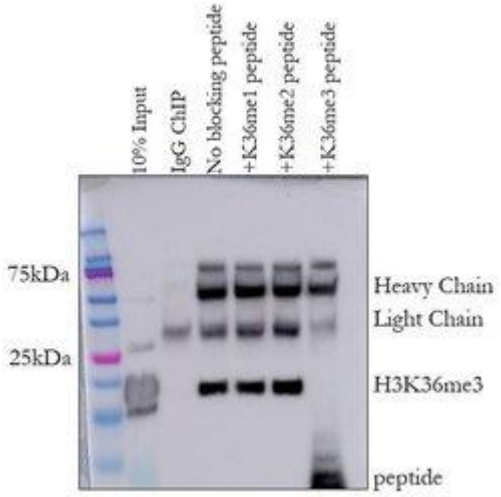
IF/ICC	5 µg/mL
Array	0.25 µg/mL
WB	0.5-2 µg/mL
ChIP	1-5 µg
ELISA	0.2-1 µg/mL

Product Information

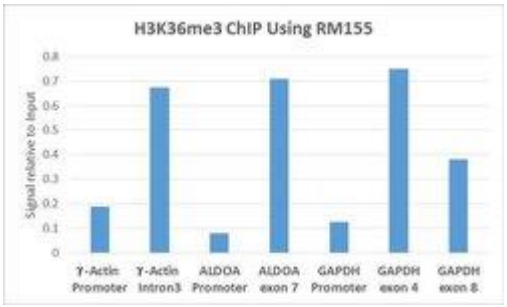
Source	Rabbit
Isotype	IgG
Purification	Protein A
Storage buffer	PBS, pH 7.2-7.4, with 50% glycerol, 1% BSA
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles



H3K36me3 Antibody
Antibody specificity for modified targets can be established using peptide arrays by quantifying detection of the target protein along with closely related proteins. Peptide array of Histone H3K36me3 using Anti-Tri-Methyl-Histone H3 (Lys36) Antibody: An array of the specific peptide and other relevant peptides when tested using Anti-TriMethyl-Histone H3 (Lys36) Monoclonal Antibody , showed that the Histone H3K36me3 modification was specifically recognized by the antibody. Peptide array validation info.



H3K36me3 Antibody (MA5-24687)
Antibody specificity is demonstrated by peptide competition. ChIP-western was performed on hESCs using monoclonal H3K36me3 antibody . Blocking peptides were added to demonstrate specificity for tri-methylation compared to mono- or di- methyl. Data courtesy of Raj Jain's lab at the University of Pennsylvania. Neutralization validation info.



H3K36me3 Antibody
Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Tri-Methyl-Histone H3 (Lys36) Monoclonal Antibody with relevant positive and negative binding sites. Relative expression validation info.