TriMethyl-Histone H3-K36 Monoclonal Antibody

CAB20379

Description

This TriMethyl-Histone H3-K36 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB20379
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	H3.4, H3/g, H3FT, H3t, HIST3H3, Histone H3, HIST1H3A, TriMethyl-Histone H3-K36
Clone:	ARC50050
Applications:	WB IHC-P IP ChIP ChIP-seq ELISA DB
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat, Other (Wide Range Predicted)

Antibody Data

Gene ID:	8290 8350
Uniprot:	-
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	17kDa
Calculated MW:	15kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

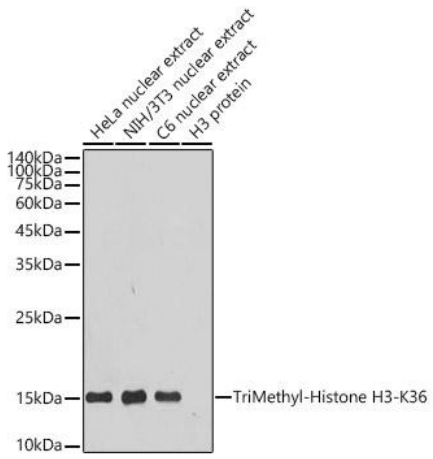
Positive Sample: HeLa, NIH/3T3, C6

Recommended Dilutions:

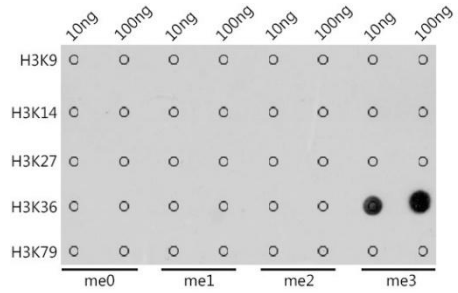
WB	1:1000 - 1:6000
DB	1:500 - 1:1000
IHC-P	1:2000 - 1:8000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

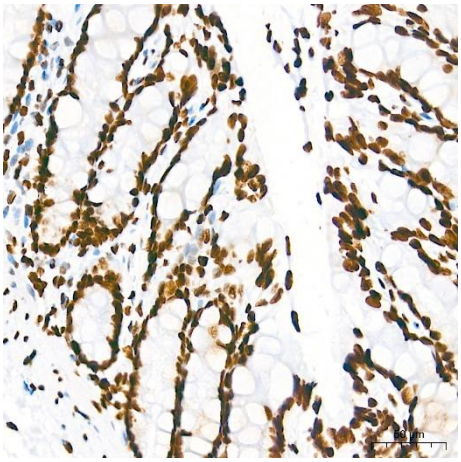
Validation Data



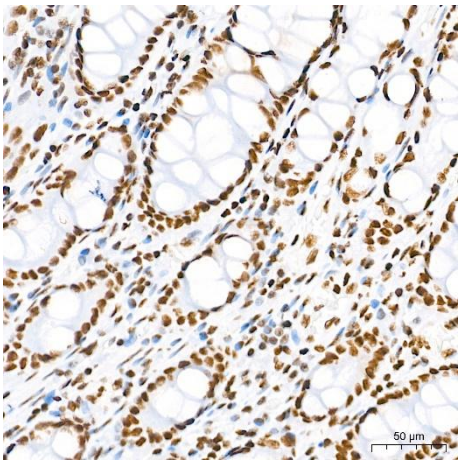
Western blot analysis of various lysates using TriMethyl-Histone - Rabbit mAb (CAB20379) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



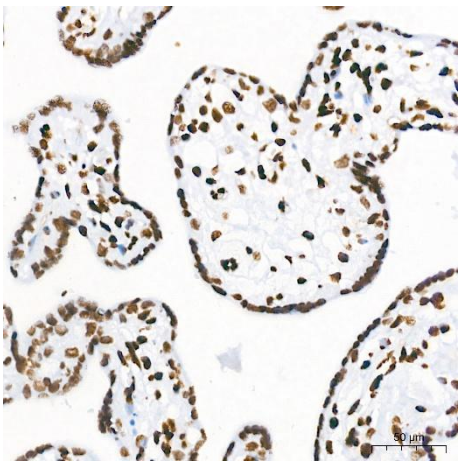
Dot-blot analysis of all sorts of peptides using TriMethyl-Histone - antibody (CAB20379) at 1:1000 dilution.



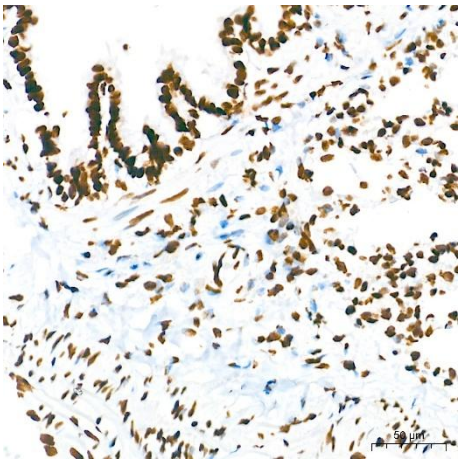
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using TriMethyl-Histone - Rabbit mAb (CAB20379) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



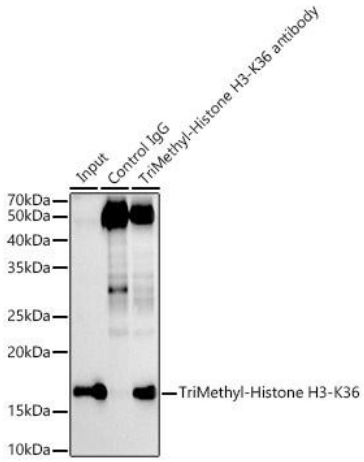
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using TriMethyl-Histone - Rabbit mAb (CAB20379) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



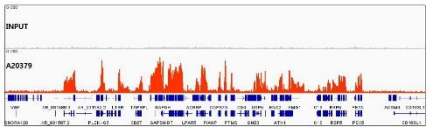
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using TriMethyl-Histone - Rabbit mAb (CAB20379) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using TriMethyl-Histone - Rabbit mAb (CAB20379) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunoprecipitation analysis of 600 µg extracts of 293F cells using 5 µg TriMethyl-Histone - antibody (CAB20379). Western blot was performed from the immunoprecipitate using TriMethyl-Histone - antibody (CAB20379) at a dilution of 1:1000.



Chromatin immunoprecipitations were performed with cross-linked chromatin from HeLa cells and H3K36me3 Rabbit mAb (CAB20379). The ChIP sequencing results indicate the enrichment pattern of H3K36me3 in selected genomic region and representative gene loci (GAPDH), as shown in figure.