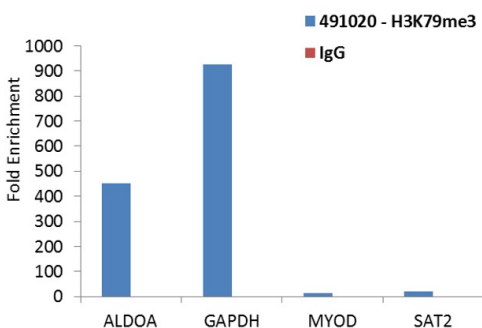


# Tri-Methyl-Histone H3 (Lys79) Polyclonal Antibody

Product Details	
Size	50 µg
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	raised in rabbits against histone H3 containing the trimethylated lysine 79 [K79me3], using a KLH-conjugated synthetic peptide.
Form	Liquid
Concentration	0.6 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS
Contains	0.05% sodium azide, 0.05% Proclin 300
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2533870

Applications	Tested	Dilution	Published
ChIP assay (ChIP)	✓	1-10 µg/1x10 <sup>6</sup> cells	1 Publication
Western Blot (WB)	✓	1:1,000	1 Publication
Dot blot (DB)	✓	1:100,000	
ELISA (ELISA)	✓	1:500	
ChIP-sequencing (ChIP-Seq)	✓	1 µg per assay	

## Advanced Verification Data



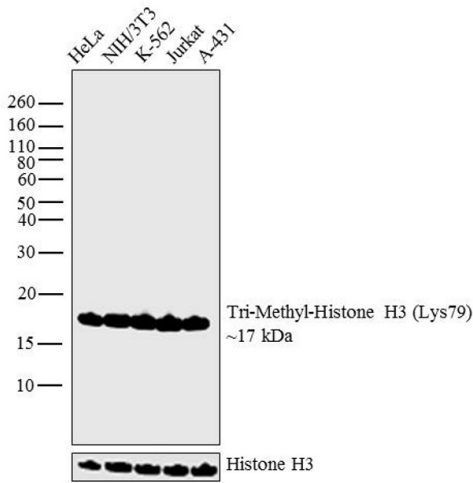
### Tri-Methyl-Histone H3 (Lys79) Antibody (49-1020)

Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Anti-Tri-Methyl-Histone H3 (Lys79) Polyclonal Antibody (Product # 49-1020) with relevant positive (ALDOA, GAPDH) and negative (MYOD, SAT2 satellite repeats) target genes/ binding sites. Relative expression validation info.

## Product Images For Tri-Methyl-Histone H3 (Lys79) Polyclonal Antibody

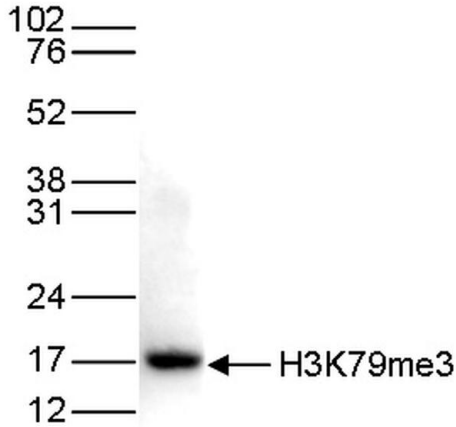
### Tri-Methyl-Histone H3 (Lys79) Antibody (49-1020) in WB

Western blot analysis was performed on acid extracts (20 µg lysate) of HeLa (Lane 1), NIH/3T3 (Lane 2), K-562 (Lane 3), Jurkat (Lane 4) and A-431 (Lane 5). The blot was probed with Anti-Tri-Methyl-Histone H3 (Lys79) (Product # 49-1020, 1:500 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 17 kDa band corresponding to Tri-Methyl-Histone H3 (Lys79) was observed across the cell lines tested.



### Tri-Methyl-Histone H3 (Lys79) Antibody (49-1020) in WB

Histone extracts of HeLa cells (15 µg) were analysed by Western blot using the anti-H3K79me3 antibody (Product # 49-1020), diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The molecular weight marker is shown on the right; the location of the protein of interest is indicated on the left.



[View more figures on thermofisher.com](https://www.thermofisher.com)

## 2 References

### ChIP assay (1)

The Journal of biological chemistry

#### **A novel disrupter of telomere silencing 1-like (DOT1L) interaction is required for signal transducer and activator of transcription 1 (STAT1)-activated gene expression.**

"49-1020 was used in ChIP assay to report that the STAT1-DOT1L interactions required for JAK-STAT-inducible gene expression."

Authors: Shah S, Henriksen MA

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2011

### Western Blot (1)

The Journal of biological chemistry

#### **A novel disrupter of telomere silencing 1-like (DOT1L) interaction is required for signal transducer and activator of transcription 1 (STAT1)-activated gene expression.**

"49-1020 was used in ChIP assay to report that the STAT1-DOT1L interactions required for JAK-STAT-inducible gene expression."

Authors: Shah S, Henriksen MA

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2011

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