

HDAC3 Polyclonal Antibody

Product Details

Size	100 µg
Species Reactivity	Dog, Hamster, Human, Rat
Published Species	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues C D(415) G D H D N D K E S D V E I(428) of human HDAC3.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2118393

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	2.0 µg/mL	2 Publications
Immunoprecipitation (IP)	-		1 Publication
ChIP assay (ChIP)	✓	1-3 µL	
Immunocytochemistry (ICC)	✓	1:200	
Immunofluorescence (IF)	✓	1:200	
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:50	

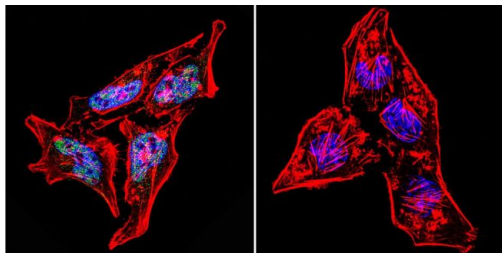
Product Specific Information

PA1-862 detects histone deacetylase 3 (HDAC3) from canine, hamster, human and rat tissues and cells.

PA1-862 has been successfully used in Western blot and ChIP procedures. By Western blot, this antibody detects an ~48 kDa protein representing HDAC3 from HeLa cell lysate.

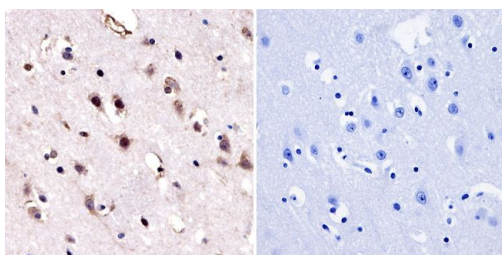
The PA1-862 immunogen is a synthetic peptide corresponding to residues C D(415) G D H D N D K E S D V E I(428) of human HDAC3. This immunizing peptide (Cat. # PEP-071) is available for use in neutralization and control experiments.

Product Images For HDAC3 Polyclonal Antibody



HDAC3 Antibody (PA1-862) in IF

Immunofluorescent analysis of HDAC3 in HeLa Cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a HDAC3 polyclonal antibody (Product # PA1-862) at a dilution of 1:200 overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552). HDAC3 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.



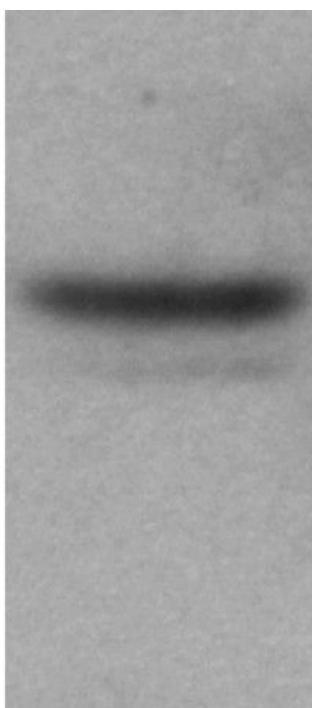
HDAC3 Antibody (PA1-862) in IHC

Immunohistochemistry was performed on normal biopsies of deparaffinized human brain tissue. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:50 with a Rabbit Polyclonal Antibody recognizing HDAC3 (Product # PA1-862) or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP, followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

Fig. 1

51 kDa

45 kDa



HDAC3 Antibody (PA1-862) in WB

Western blot of HDAC3 from HeLa cell lysate using Product # PA1-862.

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

3 References

Western Blot (2)

The Journal of biological chemistry

Regulated clearance of histone deacetylase 3 protects independent formation of nuclear receptor corepressor complexes.

"PA1-862 was used in western blot to study the role of regulated HDAC3 turnover in the maintenance of independent complexes of HDAC3 with N-CoR and SMRT"

Authors: Guo C, Gow CH, Li Y, Gardner A, Khan S, Zhang J

Species
Human

Dilution
Not Cited

Year
2012

The Journal of biological chemistry

The transcriptional repressor Sp3 is associated with CK2-phosphorylated histone deacetylase 2.

"PA1-862 was used in western blot to investigate the association between the transcriptional repressor Sp3 and CK2-phosphorylated histone deacetylase 2."

Authors: Sun JM, Chen HY, Moniwa M, Litchfield DW, Seto E, Davie JR

Species
Human

Dilution
Not Cited

Year
2002

Immunoprecipitation (1)

Biochemical and biophysical research communications

Differential display cloning of a novel human histone deacetylase (HDAC3) cDNA from PHA-activated immune cells.

"PA1-862 was used in immunoprecipitation to isolate and clone the HDAC3 gene and to investigate the regulation of its expression"

Authors: Dangond F, Hafler DA, Tong JK, Randall J, Kojima R, Utku N, Gullans SR

Species
Human

Dilution
Not Cited

Year
1998

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