

Product Data Sheet

Pan Acetylated-Lysine Antibody

(This product has been discontinued.)

Tested Species Reactivity

Many (Many)

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:200
Immunohistochemistry (Paraffin) (IHC (P))	1:800
Immunoprecipitation (IP)	1:100
ChIP assay (ChIP)	1:50
peptide-ELISA (pep-ELISA)	1:1000

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details

Catalog Number:	PA5-16190
Size:	100 µL
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit /
Immunogen:	Synthetic acetylated lysinecontaining peptide (KLH-coupled).

Form Information

Form:	Liquid
Purification:	Affinity chromatography
Storage Buffer:	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative:	no preservative
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information

Anti-Pan Acetylated-Lysine Polyclonal Antibody PA5-16190 has been tested and validated in use for Western Blot, Immunoprecipitation, Immunohistochemistry (Paraffin), Immunofluorescence, ChIP, peptide-ELISA.

PA5-16190 is expected to react with many species.

General Information

Acetylation of lysine, like phosphorylation of serine, threonine or tyrosine, is an important reversible modification controlling protein activity. The conserved amino-terminal domains of the four core histones (H2A, H2B, H3 and H4) contain lysines that are acetylated by histone acetyltransferases (HATs) and deacetylated by histone deacetylases (HDACs). Signaling resulting in acetylation/deacetylation of histones, transcription factors and other proteins affects a diverse array of cellular processes including chromatin structure and gene activity, cell growth, differentiation and apoptosis. The regulation of protein acetylation status is impaired in the pathologies of cancer and polyglutamine diseases, and HDACs have become promising targets for anti-cancer drugs currently in development.

This product is for In Vitro experimental use only. Not for resale without express authorization.

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