

For Research Use Only

Histone H2A type 3 Polyclonal antibody

Catalog Number:10445-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

10445-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0374

GenBank Accession Number:

BC001193

GeneID (NCBI):

92815

UNIPROT ID:

Q7L7L0

Full Name:

histone cluster 3, H2a

Calculated MW:

14 kDa

Observed MW:

14-18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : human brain tissue, fetal human brain tissue

Background Information

Histone H2A type 3, it is expected to be located in the nucleus, and the protein is enriched in the brain tissue. Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. The molecular weight of Histone H2A type 3 is 14 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Hongyan Ma	34046991	EMBO Rep	IHC
Libo Su	29982651	Nucleic Acids Res	WB,IP,IF
Lihong Yang	38684944	BMC Cancer	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

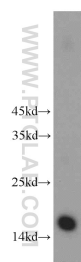
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

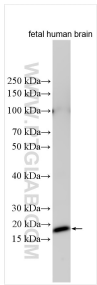
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 10445-1-AP (Histone H2A type 3 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 10445-1-AP (Histone H2A type 3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.