For Research Use Only

CHD7 Polyclonal antibody, PBS Only

Catalog Number:31919-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
31919-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG36595

GenBank Accession Number:
BC110818

GeneID (NCBI):
55636

UNIPROT ID:
Q9P2D1

Full Name:
chromodomain helicase DNA binding protein 7

Observed MW:
350 kDa

Purification Method:
Antigen affinity Purification

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Chromodomain helicase DNA-binding protein 7 (CHD7) is an ATP-dependent eukaryotic chromatin remodeling enzyme that regulates nucleosome positioning and alters DNA accessibility, and is essential for organ development.CHD7 is a gene known to be associated with CHARGE syndrome, Kallmann syndrome, and hypogonadotropic hypogonadism, where it is associated with CHARGE syndrome is a congenital multiorgan disorder characterized by eye defects, heart defects, posterior nasal atresia, growth retardation, genital anomalies, ear malformations, and deafness. The effects of CHD7 mutations on inner ear development, neuronal differentiation, cardiovascular development, and regulation of bone lipid homeostasis have been studied.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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
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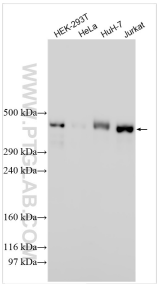
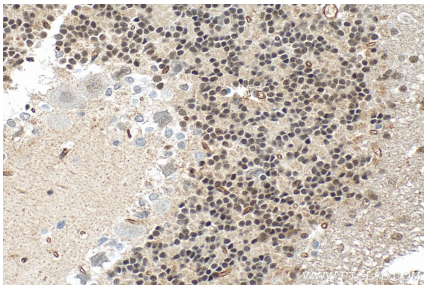
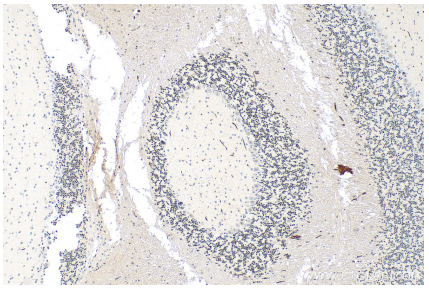
Selected Validation Data



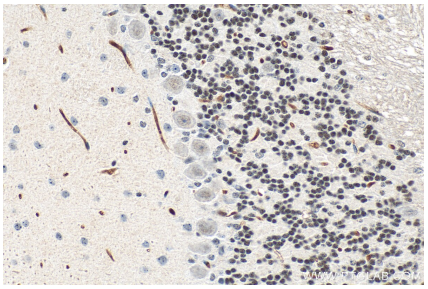
HEK-293T cells were subjected to Tris-Acetate gel system followed by western blot with 31919-1-AP (CHD7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31919-1-PBS in a different storage buffer formulation.



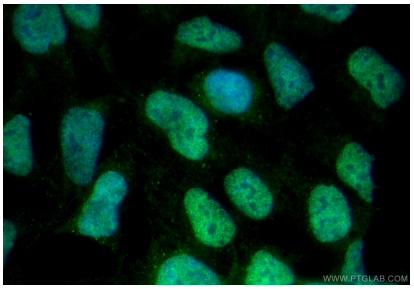
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 31919-1-AP (CHD7 antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31919-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 31919-1-AP (CHD7 antibody) at dilution of 1:1500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31919-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 31919-1-AP (CHD7 antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31919-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CHD7 antibody (31919-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 31919-1-PBS in a different storage buffer formulation.