For Research Use Only

CHD7 Polyclonal antibody

Catalog Number:31919-1-AP

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Basic Information

Catalog Number:
31919-1-AP

Size:
150ul , Concentration: 500 ug/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

Recommended Dilutions:
WB 1:1000-1:8000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human

Positive Controls:

WB : HEK-293T cells, HeLa cells, HuH-7 cells, Jurkat cells

IF/ICC : HEK-293 cells,

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.

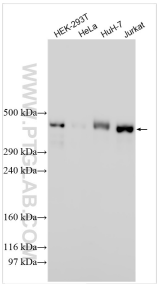
Storage

Storage:
Store at -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

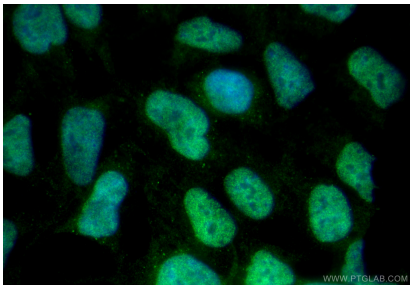
***** 20ul sizes contain 0.1% BSA**

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

Selected Validation Data



HEK-293T cells were subjected to SDS PAGE followed by western blot with 31919-1-AP (CHD7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).