

For Research Use Only

CEP152 Polyclonal antibody

Catalog Number: 21815-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

21815-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_014985

GeneID (NCBI):

22995

UNIPROT ID:

O94986

Full Name:

centrosomal protein 152kDa

Calculated MW:

189 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : human brain tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CEP152, also named as KIAA0912, is a regulator of genomic integrity and cellular response to DNA damage acting through ATR-mediated checkpoint signaling. It is necessary for centrosome duplication. CEP152 functions as a molecular scaffold facilitating the interaction of PLK4 and CENPJ, two molecules involved in centriole formation. CEP152, ATR and CENPJ control cellular responses to DNA damage. CEP152 has some isoforms with MW 189 kDa, 152 kDa, 110 kDa and 66 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhenguang Ying	36280838	BMC Biol	WB,IF
Tianyu Wu	36395215	Science	IF
I-Ling Lu	29950674	Nat Commun	WB,IF

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

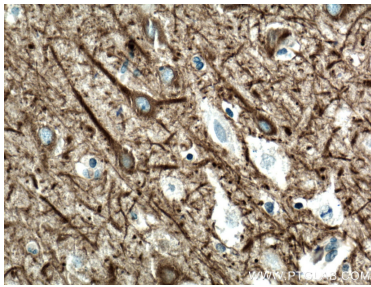
For technical support and original validation data for this product please contact:

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

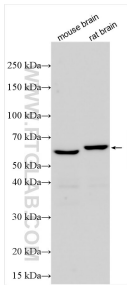
E: proteintech@ptglab.com
W: ptglab.com

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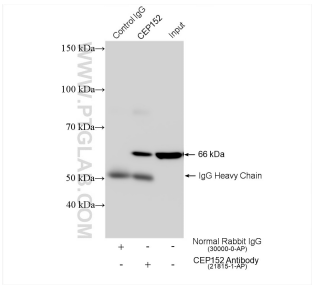
Selected Validation Data



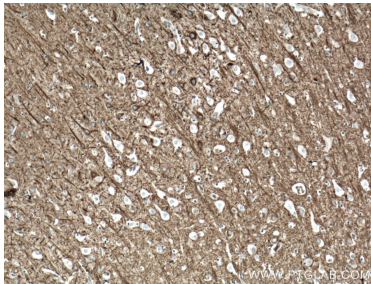
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21815-1-AP (CEP152 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



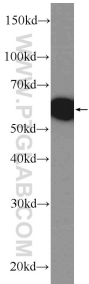
Various lysates were subjected to SDS PAGE followed by western blot with 21815-1-AP (CEP152 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-CEP152 (IP:21815-1-AP, 4ug; Detection:21815-1-AP 1:2000) with mouse brain tissue lysate 1280 ug.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 21815-1-AP (CEP152 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 21815-1-AP (CEP152 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.