

For Research Use Only

ASUN Recombinant antibody

Catalog Number: 84252-4-RR



Basic Information

Catalog Number:

84252-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13727

GenBank Accession Number:

BC003081

GeneID (NCBI):

55726

UNIPROT ID:

Q9NVM9

Full Name:

chromosome 12 open reading frame

11

Calculated MW:

706 aa, 80 kDa

Observed MW:

70-80 kDa

Purification Method:

Protein A purification

CloneNo.:

241586E9

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, Jurkat cells, MCF-7 cells

IF/ICC : HeLa cells,

Background Information

Asunder (ASUN) is a conserved protein that has been reported as a critical regulator of dynein localization during *Drosophila* spermatogenesis (PMID: 19357193). Mammalian and *Drosophila* ASUN proteins revealed that they are 43% identical and 64% similar. Human ASUN (also known as GCT1 or C12ORF11) promotes dynein recruitment and centrosomal tethering to the nucleus at mitotic entry (PMID: 23097494).

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

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

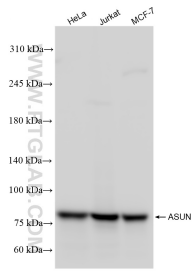
T: 4006900926

E: Proteintech-CN@ptglab.com

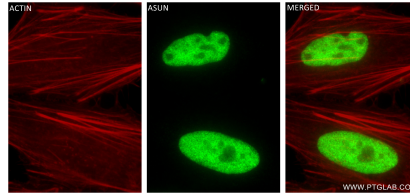
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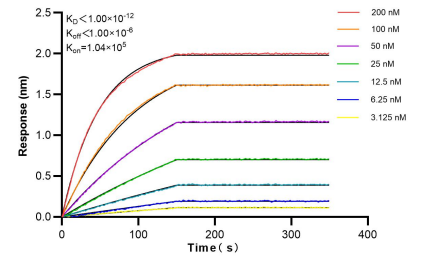
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84252-4-RR (C12orf11 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ASUN antibody (84252-4-RR, Clone: 241586E9) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biacore interferometry (BLI) kinetic assays of 84252-4-RR against Human ASUN were performed. The affinity constant is below 1 pM.