

For Research Use Only

STAU1 Recombinant antibody, PBS Only

Catalog Number: 84822-4-PBS



Basic Information

Catalog Number:

84822-4-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5464

GenBank Accession Number:

BC050432

GeneID (NCBI):

6780

UNIPROT ID:

O95793

Full Name:

staufen, RNA binding protein, homolog 1 (Drosophila)

Calculated MW:

63 kDa

Observed MW:

55-65 kDa

Purification Method:

Protein A purification

CloneNo.:

242179D12

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

Staufen1 (STAU1)-mediated mRNA decay (SMD) degrades translationally active mRNAs that bind the double-stranded (ds)RNA binding protein STAU1 within their 3'-untranslated regions (3'UTRs) [PMID:21307942]. STAU1 can binds to stem structures and protect Dvl2 mRNA from degradation by associating with the secondary structure in the U1 region which is located at 5' position of second U stretch in the U2 region [PMID:17510634]. It has a role in specific positioning of mRNAs at given sites in the cell by cross-linking cytoskeletal and RNA components, and in stimulating their translation at the site.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

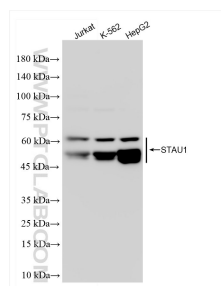
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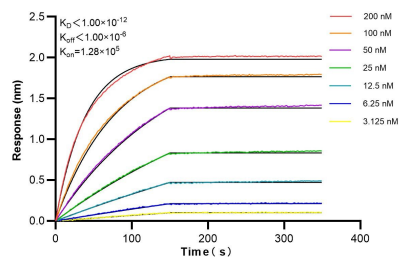
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84822-4-RR (STAU1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84822-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84822-4-RR against Human STAU1 were performed. The affinity constant is below 1 pM.