

For Research Use Only

STAU1 Recombinant antibody

Catalog Number: 84822-4-RR



Basic Information

Catalog Number:

84822-4-RR

Size:

100ul, Concentration: 1000 µg/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

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, K-562 cells, HepG2 cells

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 -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

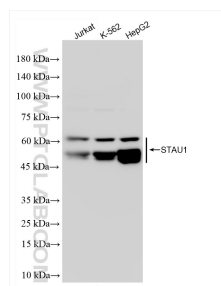
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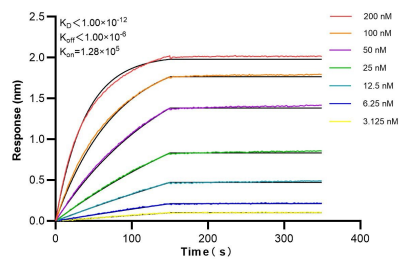
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Selected Validation Data



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.



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