For Research Use Only

UTP18 Recombinant antibody

Catalog Number:84035-3-RR

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Basic Information

Catalog Number:
84035-3-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34662

GenBank Accession Number:
NM_016001

GeneID (NCBI):
51096

UNIPROT ID:
Q9Y5J1

Full Name:
UTP18, small subunit (SSU) processome component, homolog (yeast)

Calculated MW:
62 kDa

Observed MW:
62 kDa

Purification Method:
Protein A purification

CloneNo.:
241240F1

Recommended Dilutions:
IF/ICC 1:200-1:800

Applications

Tested Applications:
IF/ICC, ELISA

Species Specificity:
human

Positive Controls:

IF/ICC : A431 cells,

Background Information

UTP18 (UTP18 small subunit processome component), also known as WDR50. It is expected to be located in nucleus. The protein is one part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome. Involved in nucleolar processing of pre-18S ribosomal RNA. The calculated molecular weight of UTP18 is 62 kDa.

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:
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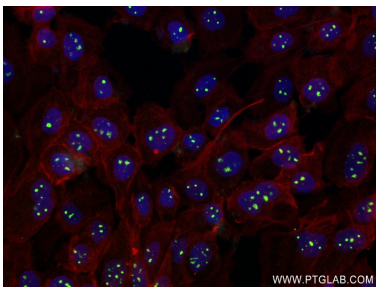
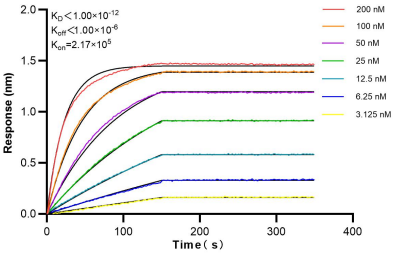
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using UTP18 antibody (84035-3-RR, Clone: 241240F1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84035-3-RR against Human UTP18 were performed. The affinity constant is below 1 pM.