

XRN2 Recombinant antibody

Catalog Number: 83378-1-RR

Basic Information

Catalog Number:

83378-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30781

GenBank Accession Number:

BC006417

GeneID (NCBI):

22803

UNIPROT ID:

Q9H0D6

Full Name:

5'-3' exoribonuclease 2

Calculated MW:

104 kDa

Observed MW:

109 kDa

Purification Method:

Protein A purification

CloneNo.:

240065G4

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

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

Background Information

XRN2 is one exonuclease that degrades the Pol II associated product of poly(A) site cleavage, which is crucial for Pol II termination. During transcription termination, XRN2 cleavages at the polyadenylation site liberates a 5' fragment which is subsequently processed to form the mature mRNA and a 3' fragment which remains attached to the elongating polymerase. The processive degradation of this 3' fragment by this protein may promote termination of transcription.

Storage

Storage:

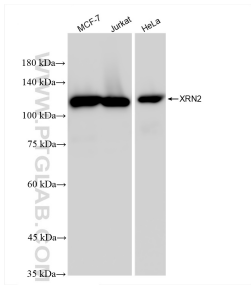
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

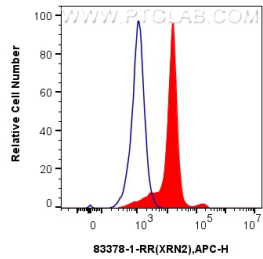
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

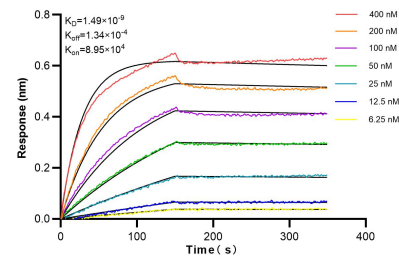
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83378-1-RR (XRN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug XRN2 Recombinant antibody (83378-1-RR, Clone:240065G4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83378-1-RR against Human XRN2 were performed. The affinity constant is 1.49 nM.