

For Research Use Only

# E2F7 Recombinant antibody

Catalog Number: 82887-1-RR



## Basic Information

<b>Catalog Number:</b> 82887-1-RR	<b>GenBank Accession Number:</b> BC136366	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 144455	<b>CloneNo.:</b> 230073C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96AV8	<b>Recommended Dilutions:</b> IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> E2F transcription factor 7	
<b>Immunogen Catalog Number:</b> AG21599	<b>Calculated MW:</b> 911 aa, 100 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

E2F7 also named as E2F transcription factor 7 is a 911 amino acid protein, which belongs to the E2F/DP family. E2F7 localizes in the nucleus and mainly forms homodimers and, to a lesser extent, heterodimers with E2F8. E2F7 as a transcription factor involves in various processes such as angiogenesis, polyploidization of specialized cells and DNA damage response. E2F7 mainly forms homodimers and to a lesser extent, heterodimers with E2F8. (PMID: 18194653 )

## Storage

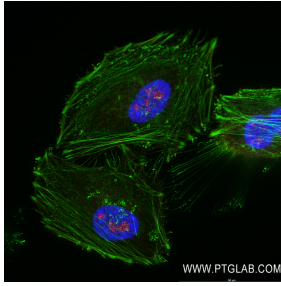
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

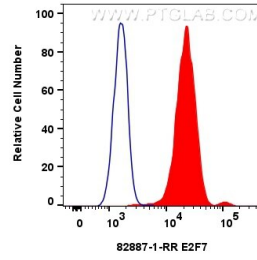
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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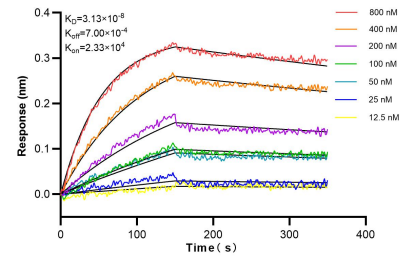
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using E2F7 antibody (82887-1-RR, Clone: 230073C2) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004). (CL488-Phalloidin, green).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu$ g E2F7 Recombinant antibody (82887-1-RR, Clone: 230073C2) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82887-1-RR against Human E2F7 were performed. The affinity constant is 31.3 nM.