

For Research Use Only

# CD3EAP Recombinant antibody

Catalog Number: 84139-4-RR



## Basic Information

<b>Catalog Number:</b> 84139-4-RR	<b>GenBank Accession Number:</b> BC038992	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10849	<b>CloneNo.:</b> 241379H5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15446	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> CD3e molecule, epsilon associated protein	
<b>Immunogen Catalog Number:</b> AG35074	<b>Calculated MW:</b> 510 aa, 55 kDa	
	<b>Observed MW:</b> 80-90 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> A549 cells, A431 cells, HeLa cells, K-562 cells, HEK-293T cells, NCI-H1299 cells, HCT 116 cells <b>IF/ICC :</b> A431 cells, A549 cells

## Background Information

Human RNA polymerase I (Pol I)-specific subunit, previously identified as ASE-1 and as CD3ε-associated signal transducer (CAST). CD3EAP is a 55 kDa nucleolar autoantigen that has an apparent molecular mass of 90 kDa (PMID: 11199923). CD3EAP/hPAF49 contains a single tyrosine residue at position 82 (Tyr82), which is phosphorylated upon stimulation of the T-cell receptor. Western blot analysis detected CD3EAP at an apparent molecular mass of ~80-90 kDa.

## Storage

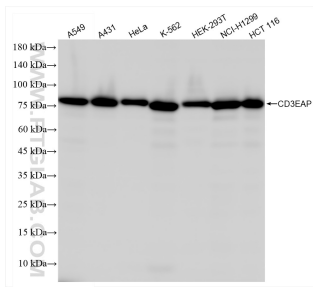
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

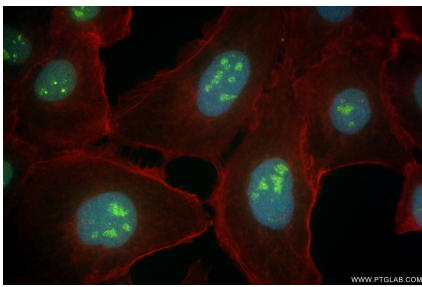
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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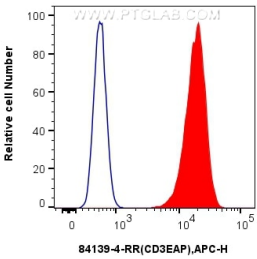
## Selected Validation Data



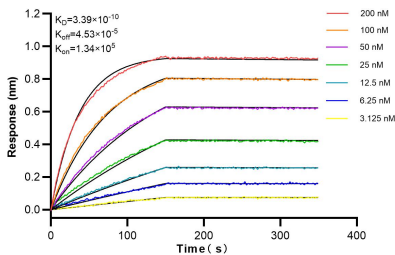
Various lysates were subjected to SDS PAGE followed by western blot with 84139-4-RR (CD3EAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CD3EAP antibody (84139-4-RR, Clone: 241379H5) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.25 ug CD3EAP Recombinant antibody (84139-4-RR, Clone:241379H5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 84139-4-RR against Human CD3EAP were performed. The affinity constant is 0.339 nM.