For Research Use Only

CD3EAP Polyclonal antibody

Catalog Number:31162-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
31162-1-AP

Size:
400 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG35074

GenBank Accession Number:
BC038992

GeneID (NCBI):
10849

UNIPROT ID:
O15446

Full Name:
CD3e molecule, epsilon associated protein

Calculated MW:
510 aa, 55 kDa

Observed MW:
80-90 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB 1:1000-1:4000
IF/ICC 1:250-1:1000

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
Human

Positive Controls:

WB : A431 cells, A549 cells, HeLa cells

IF/ICC : A431 cells,

Background Information

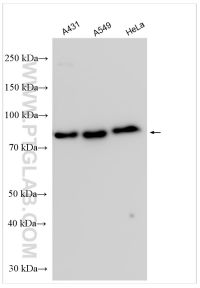
Human RNA polymerase I (Pol I)-specific subunit, previously identified as ASE-1 and as CD3 -associated signal transducer (CAST), CD3EAP is a 55 kDa nucleolar autoantigen that has an apparent molecular mass of 90 kDa (PMID: 11199923). CD3EAP/hPAF49 contains a single tyrosine residue at position 82 (Tyr82), 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

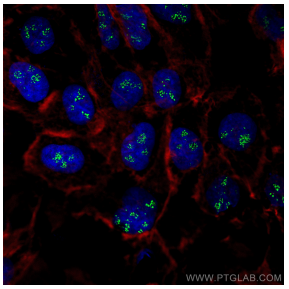
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31162-1-AP (CD3EAP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CD3EAP antibody (31162-1-AP) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).