

## ACOT8 (P172) polyclonal antibody

Catalog: BS3062

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

ACOT8 (Acyl-CoA thioesterase 8) also designated, TEII p35 or hTE, is a novel human thioesterase that has been found to interact with the HIV protein Nef using yeast two-hybrid screening. Nef is an auxiliary gene of the human immunodeficiency virus (HIV) which facilitates virus replication and enhances infectivity. The roles of Nef in HIV-infected cells are likely to be mediated by specific interactions with cellular proteins. The interaction between Nef and ACOT8 is correlated with CD4 downregulation, suggesting that ACOT8 may be involved in Nef-mediated CD4 downregulation in HIV-infected cells. ACOT8 is 42% identical to thioesterase II from *Escherichia coli*, and it has no significant homology with the two types of animal thioesterases that have previously been cloned (type I and type II thioesterases).

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 36 kDa

### Swiss-Prot:

O14734

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

### Storage&Stability:

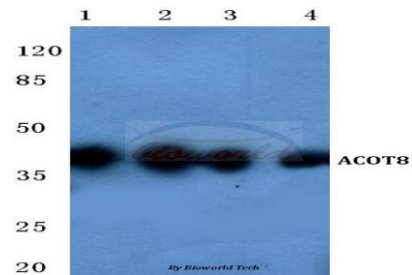
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

ACOT8 (P172) polyclonal antibody detects endogenous

levels of ACOT8 protein.

### DATA:



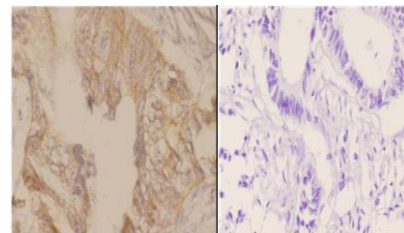
Western blot (WB) analysis of ACOT8 (P172) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:NIH-3T3 cell lysate

Lane3:sp2/0 cell lysate

Lane4:H9C2 cell lysate



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Lot: C144121

Immunohistochemistry (IHC) analyzes of ACOT8 (P172) pAb in paraffin-embedded human rectum carcinoma tissue at 1:50, showing cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

For research use only, not for use in diagnostic procedure.

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