

# ACAD8 Polyclonal antibody

Catalog Number: 16742-1-AP

## Basic Information

**Catalog Number:**

16742-1-AP

**Size:**

240 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9967

**GenBank Accession Number:**

BC001964

**GeneID (NCBI):**

27034

**UNIPROT ID:**

Q9UKU7

**Full Name:**

acyl-Coenzyme A dehydrogenase family, member 8

**Calculated MW:**

45 kDa

**Observed MW:**

45 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse pancreas tissue, mouse lung tissue

## Background Information

The acyl-CoA dehydrogenases (ACAD) (EC 1.3.99) are a family of nuclear-encoded mitochondrial enzymes involved in the metabolism of fatty acids and branched chain amino acids (PMID: 13295225). The eighth member of this family, ACAD8, catalyzes the conversion of isobutyryl-CoA to methacrylyl-CoA in valine catabolism (PMID: 12359132). ACAD8, also named as acyl-Coenzyme A dehydrogenase family, member 8, has 3 isoform which molecular weight is 45, 31 and 38 kDa.

## Storage

**Storage:**

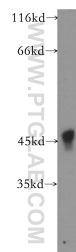
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

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

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 16742-1-AP (ACAD8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.