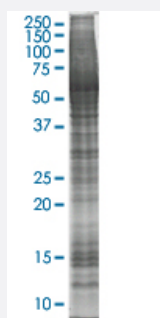


# ACOX2 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

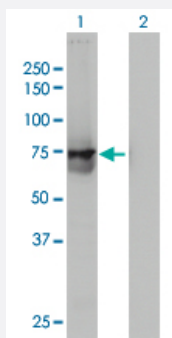
Catalog # L023T6      Size 100 ug

## Applications



### SDS-PAGE Gel

ACOX2 transfected lysate



### Western Blot

Lane 1: ACOX2 transfected lysate ( 77 KDa).

Lane 2: Non-transfected lysate.

## Specification

|                       |   |
|-----------------------|---|
| Transfected Cell Line | HEK293  |
| Plasmid               | pCMV-ACOX2 full length  |
| Host                  | Human   |
| Theoretical MW (kDa)  | 77  |
| Lysis Buffer          | Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF. |
| Concentration         | 2 mg/ml   |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-ACOX2 antibody ([H00008309-M01](#)) by Western Blots.  
SDS-PAGE Gel  
ACOX2 transfected lysate  
Western Blot  
Lane 1: ACOX2 transfected lysate (77 KDa).  
Lane 2: Non-transfected lysate.

**Recommend Usage**

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

**Storage Buffer**

In modified RIPA Lysis Buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

## Gene Info — ACOX2

Entrez GeneID [8309](#)

GeneBank Accession# [NM\\_003500](#)

Protein Accession# [NP\\_003491](#)

Gene Name ACOX2

Gene Alias BCOX, BRCACOX, BRCOX, THCCox

Gene Description acyl-Coenzyme A oxidase 2, branched chain

Omim ID [601641](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The product of this gene belongs to the acyl-CoA oxidase family. It encodes the branched-chain acyl-CoA oxidase which is involved in the degradation of long branched fatty acids and bile acid intermediates in peroxisomes. Deficiency of this enzyme results in the accumulation of branched fatty acids and bile acid intermediates, and may lead to Zellweger syndrome, severe mental retardation, and death in children. [provided by RefSeq]

**Other Designations**

Peroxisomal branched chain acyl-CoA oxidase|THCA-CoA oxidase|Trihydroxycoprostanoyl-CoA oxidase

**Pathway**

- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Primary bile acid biosynthesis](#)

**Disease**

- [Tobacco Use Disorder](#)