

## Product datasheet for **TA506158BM**

### ACAA2 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI3C6]

#### Product data:

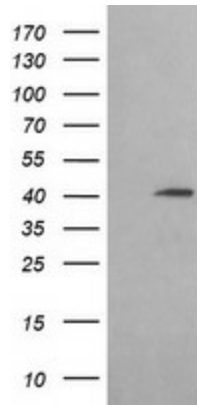
|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI3C6   |
| Applications:           | IF, IHC, WB  |
| Recommended Dilution:   | WB 1:200~4000, IHC 1:150, IF 1:100   |
| Reactivity:             | Human, Dog, Rat, Monkey, Mouse   |
| Host:                   | Mouse  |
| Isotype:                | IgG1   |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full length human recombinant protein of human ACAA2(NP_006102) produced in HEK293T cell.  |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol.  |
| Concentration:          | 0.5 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | HRP  |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 41.7 kDa   |
| Gene Name:              | acetyl-CoA acyltransferase 2   |
| Database Link:          | <a href="#">NP_006102</a><br><a href="#">Entrez Gene 52538 Mouse</a> <a href="#">Entrez Gene 170465 Rat</a> <a href="#">Entrez Gene 490568 Dog</a> <a href="#">Entrez Gene 709350 Monkey</a> <a href="#">Entrez Gene 10449 Human</a><br><a href="#">P42765</a> |
| Background:             | The encoded protein catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal. [provided by RefSeq, Jul 2008]                      |
| Synonyms:               | DSAEC  |



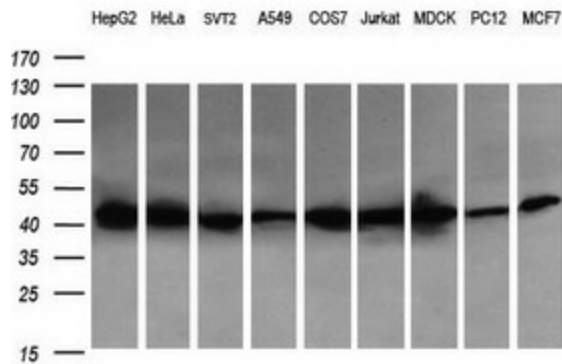
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**Protein Pathways:** Fatty acid elongation in mitochondria, Fatty acid metabolism, Metabolic pathways, Valine, leucine and isoleucine degradation

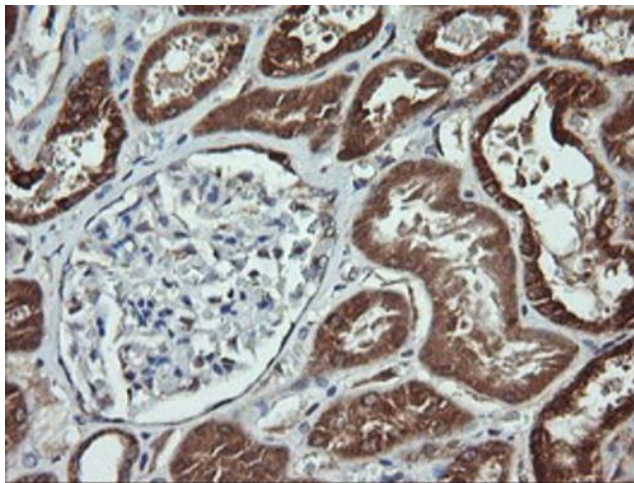
**Product images:**



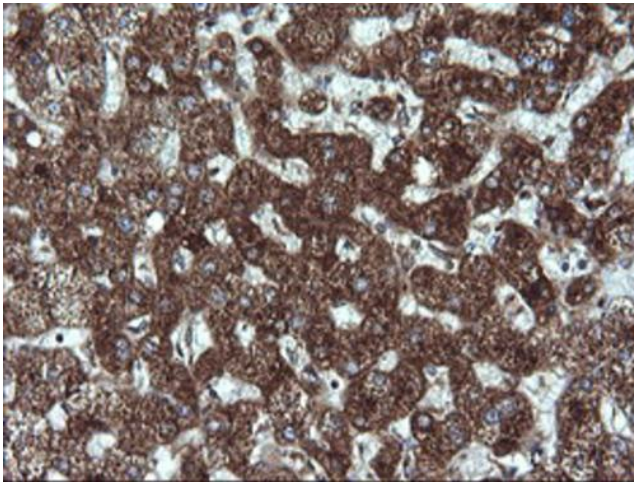
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ACAA2 ([RC201096], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ACAA2. Positive lysates [LY401843] (100ug) and [LC401843] (20ug) can be purchased separately from OriGene.



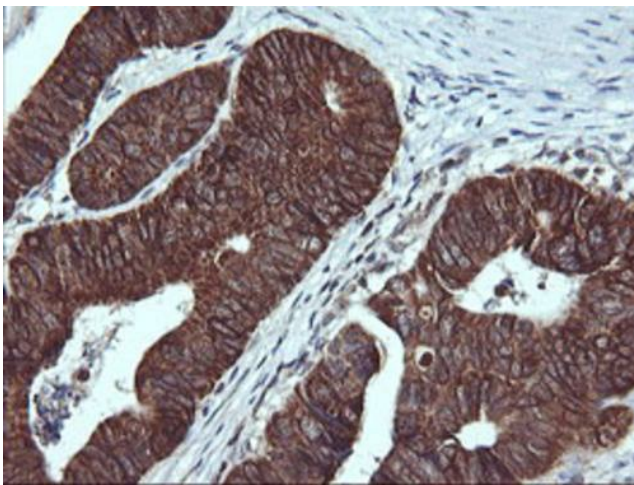
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-ACAA2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



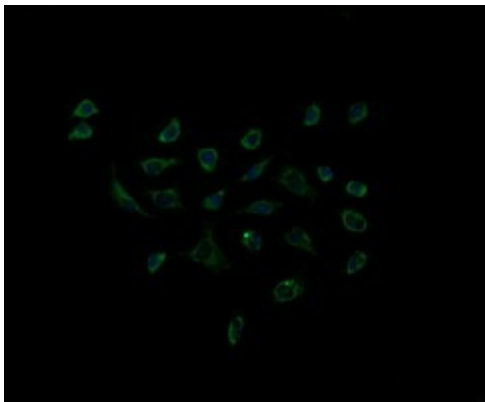
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ACAA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506158])



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-ACAA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506158])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-ACAA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506158])



Immunofluorescent staining of HeLa cells using anti-ACAA2 mouse monoclonal antibody ([TA506158]).