

[KO Validated] ACC1 Rabbit pAb

Catalog No.: A28507 **KO Validated**

Basic Information

Observed MW

280 kDa

Calculated MW

265 kDa/270 kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Enables acetyl-CoA carboxylase activity. Involved in acetyl-CoA metabolic process; fatty acid biosynthetic process; and protein homotetramerization. Acts upstream of or within several processes, including cellular response to prostaglandin E stimulus; lipid homeostasis; and tissue homeostasis. Located in cytosol. Is expressed in several structures, including alimentary system; integumental system; nervous system; respiratory system; and sensory organ. Orthologous to human ACACA (acetyl-CoA carboxylase alpha).

Recommended Dilutions

WB 1:1000 - 1:3000

IHC-P 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

107476

Swiss Prot

Q5SWU9

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

Acac; Acc1; Gm738; A530025K05Rik

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

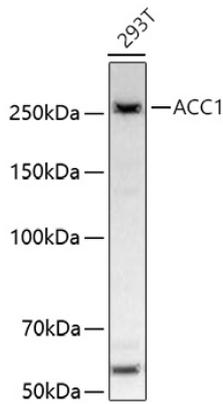
Contact

☎ | 400-999-6126

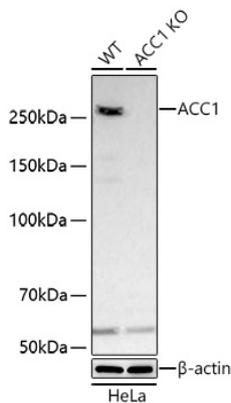
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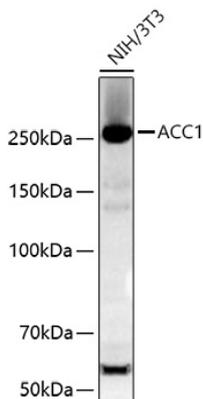
Validation Data



Western blot analysis of lysates from 293T cells using [KO Validated] ACC1 Rabbit pAb (A28507) at 1:3000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.

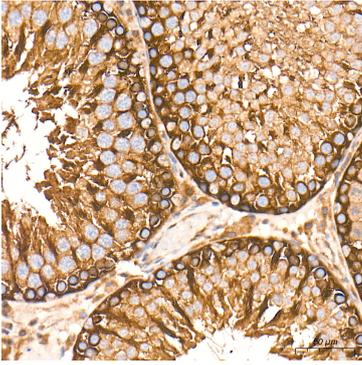


Western blot analysis of lysates from wild type (WT) and ACC1 knockout (KO) HeLa cells using [KO Validated] ACC1 Rabbit pAb (A28507) at 1:3000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.

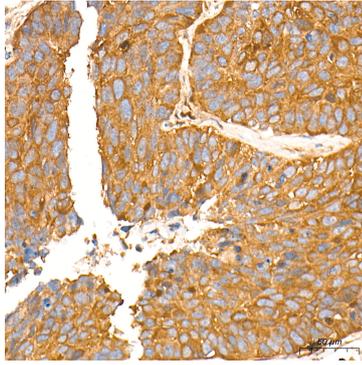


Western blot analysis of lysates from NIH/3T3 cells using [KO Validated] ACC1 Rabbit pAb (A28507) at 1:3000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.

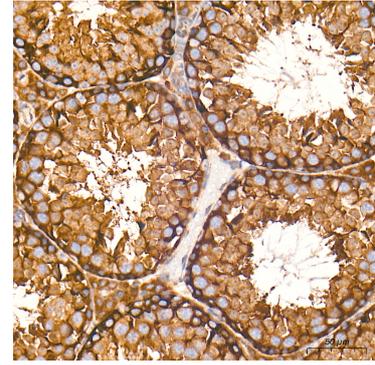
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using [KO Validated] ACC1 Rabbit pAb(A28507) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using [KO Validated] ACC1 Rabbit pAb (A28507) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using [KO Validated] ACC1 Rabbit pAb (A28507) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.