

PPARA / PPAR Alpha Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11226

Specification

PPARA / PPAR Alpha Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	Q07869
Reactivity	Human, Mouse, Rat, Hamster, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa KDa

PPARA / PPAR Alpha Antibody (N-Terminus) - Additional Information

Gene ID 5465

Other Names

Peroxisome proliferator-activated receptor alpha, PPAR-alpha, Nuclear receptor subfamily 1 group C member 1, PPARA, NR1C1, PPAR

Target/Specificity

PPAR alpha

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

PPARA / PPAR Alpha Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PPARA / PPAR Alpha Antibody (N-Terminus) - Protein Information

Name PPARA

Synonyms NR1C1, PPAR

Function

Ligand-activated transcription factor. Key regulator of lipid metabolism. Activated by the endogenous ligand 1-palmitoyl-2-oleoyl-sn- glycerol-3-phosphocholine (16:0/18:1-GPC). Activated by oleylethanolamide, a naturally occurring lipid that regulates satiety. Receptor for peroxisome proliferators such as hypolipidemic drugs and fatty acids. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as a transcription activator for the ACOX1 and P450 genes. Transactivation activity requires heterodimerization with RXRA and is antagonized by NR2C2. May be required for the propagation of clock information to metabolic pathways regulated by PER2.

Cellular Location

Nucleus.

Tissue Location

Skeletal muscle, liver, heart and kidney. Expressed in monocytes (PubMed:28167758).

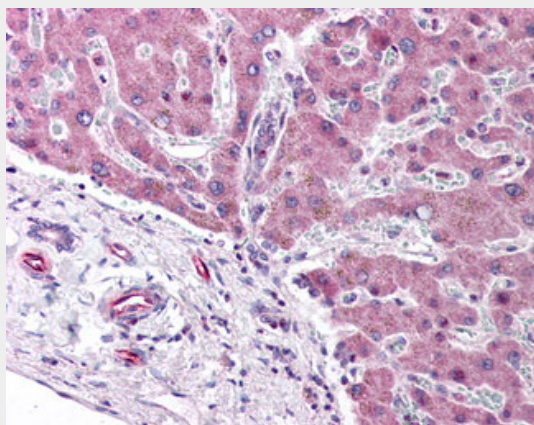
Volume

50 μ l

PPARA / PPAR Alpha Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PPARA / PPAR Alpha Antibody (N-Terminus) - Images

Anti-PPAR Alpha antibody IHC of human liver.

PPARA / PPAR Alpha Antibody (N-Terminus) - Background

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PPARA / PPAR Alpha Antibody (N-Terminus) - References

- Sher T., et al. *Biochemistry* 32:5598-5604(1993).
Mukherjee R., et al. *J. Steroid Biochem. Mol. Biol.* 51:157-166(1994).
Tugwood J.D., et al. *Ann. N. Y. Acad. Sci.* 804:252-265(1996).
Kobayashi T., et al. *FEBS Lett.* 582:2737-2744(2008).

Cho M.-C., et al. Immunopharmacol. Immunotoxicol. 31:459-467(2009).