

Product datasheet for **TA321679**

PPAR alpha (PPARA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Rat heart tissue lysate IHC: 25-100 Positive control: Human lung cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 1-18 amino acids of Human peroxisome proliferator-activated receptor alpha
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52 kDa
Gene Name:	peroxisome proliferator activated receptor alpha
Database Link:	NP_005027 Entrez Gene 19013 Mouse Entrez Gene 25747 Rat Entrez Gene 5465 Human Q07869



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Background:

Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and plasticizers; this term arises because they induce an increase in the size and number of peroxisomes. Peroxisomes are subcellular organelles found in plants and animals that contain enzymes for respiration and for cholesterol and lipid metabolism. The action of peroxisome proliferators is thought to be mediated via specific receptors, called PPARs, which belong to the steroid hormone receptor superfamily. PPARs affect the expression of target genes involved in cell proliferation, cell differentiation and in immune and inflammation responses. Three closely related subtypes (alpha, beta/delta, and gamma) have been identified. This gene encodes the subtype PPAR-alpha, which is a nuclear transcription factor. Multiple alternatively spliced transcript variants have been described for this gene, although the full-length nature of only two has been determined.

Synonyms:

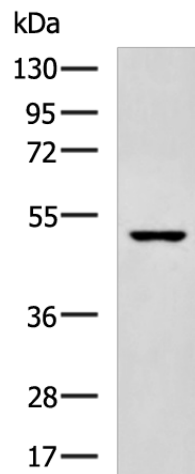
hPPAR; NR1C1; PPAR; PPARalpha

Protein Families:

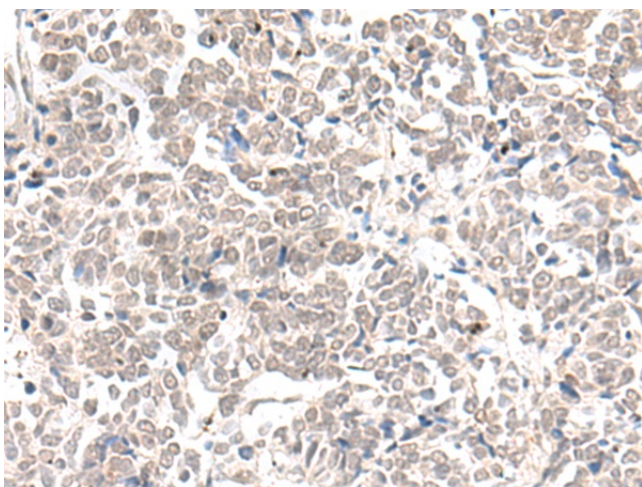
Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways:

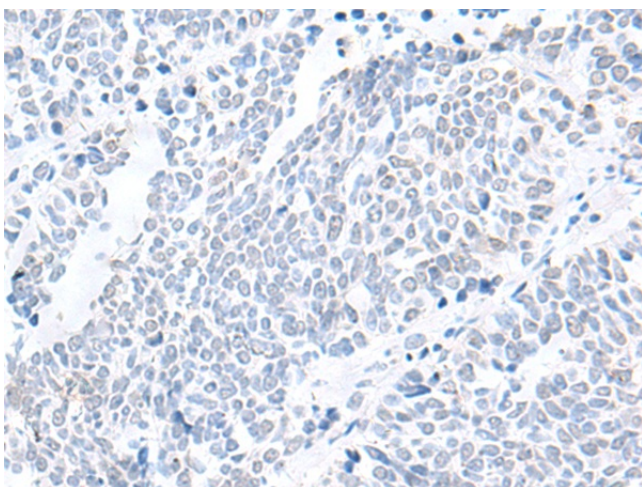
Adipocytokine signaling pathway, PPAR signaling pathway

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Rat heart tissue lysate
Primary antibody: TA321679 (PPARA Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 40 seconds



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA321679 (PPARA Antibody) at dilution 1/20 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA321679 (PPARA Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: x200)