Human PPARα/NR1C1 Alexa Fluor® 647-conjugated Antibody

Monoclonal Rabbit IgG Clone # 2297B
Catalog Number: FAB24781R
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PPARα/NR1C1 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 2297B
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E. coli*-derived recombinant human PPARα/NR1C1 Met1-Asn99 Accession # Q07869
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Peroxisome proliferator activated receptor alpha (PPARA) a member of the steroid hormone receptor superfamily, is a nuclear transcription factor which mediates the activity of peroxisome proliferators. PPAR alpha exhibits the highest affinity with unsaturated fatty acids, and linolenic acids. PPAR alpha is expressed in brown fat, liver, kidney, heart, mucosa of the stomach and duodenum, retina, adrenal gland, skeletal muscle, pancreatic islets and smooth muscle cells. PPAR alpha plays important roles in lipid and glucose metabolism, and has been implicated in obesity-related metabolic diseases such as hyperlipidemia, insulin resistance, and coronary artery disease.

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