Rabbit anti PPARb Polyclonal Antibody

Alternative Name(s): peroxisome proliferator activated receptor beta; PPAR-beta; PPAR-delta

Order Information

- **Description:** PPARb
- **Catalogue:** 600-160
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

The full-length recombinant protein of human PPAR-beta

BACKGROUND

The Peroxisome proliferator-activated receptor beta (PPAR-beta) is a ligand activated transcription factor belonging to the nuclear receptor superfamily. PPARs bind peroxisome proliferators and control the size and number of peroxisomes produced by cells. PPARs mediate a variety of biological processes, and may be involved in the development of several chronic diseases, including diabetes, obesity, atherosclerosis, and cancer. The PPAR-beta is a potent inhibitor of ligand-induced transcription activity of PPAR alpha and PPAR gamma. It may function as an integrator of transcription repression and nuclear receptor signaling. The expression of PPAR-beta is found to be elevated in colorectal cancer cells.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human PPAR-beta protein. Others are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 50.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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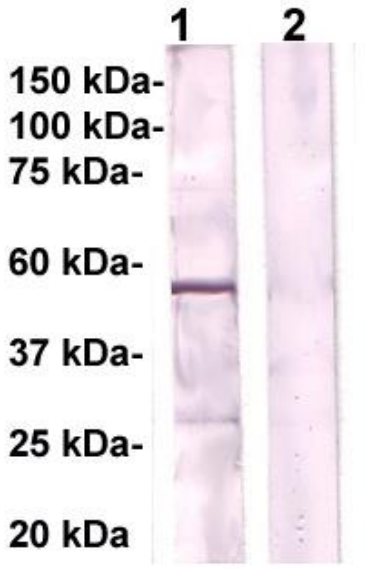
DATA ATTACHMENTS



Western Blot: Whole cell lysate derived from HT-29 was resolved onto 10% SDS-PAGE, transferred onto NC membrane, then immune-probed by Rabbit anti-PPAR-beta antibody (Lane 1) or pre-depleted antibody by the immunizing antigen (lane 2) at 1:500. The immune-reactive band around ~50kDa was abolished.

REFERENCES

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