Anti-RARA Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015651

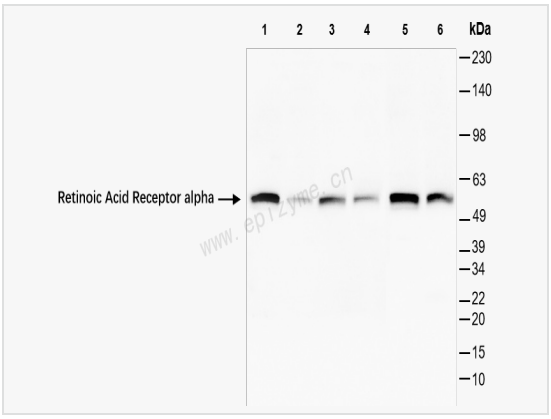
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	96N25B57
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Retinoic Acid Receptor alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-RARA Rabbit mAb [96N25B57] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	NR1B1; Nuclear mitotic apparatus protein retinoic acid receptor alpha fusion protein; Nuclear receptor subfamily 1 group B member 1; Nucleophosmin retinoic acid receptor alpha fusion protein NPM RAR long form; RAR alpha; RAR; RAR-alpha; rara; RARA_HUMAN; RARalpha; RARalpha1; Retinoic acid nuclear receptor alpha variant 1; Retinoic acid nuclear receptor alpha variant 2; Retinoic acid receptor alpha; Retinoic acid receptor alpha polypeptide.
Calculated MW	Calculated MW: 51 kDa; Observed MW: 55 kDa
Uniprot ID	P10276
Gene ID	5914
Background	This gene represents a nuclear retinoic acid receptor. The encoded protein, retinoic acid receptor alpha, regulates transcription in a ligand-dependent manner. This gene has been implicated in regulation of development, differentiation, apoptosis, granulopoeisis, and transcription of clock genes. Translocations between this locus and several other loci have been associated with acute promyelocytic leukemia. Alternatively spliced transcript variants have been found for this locus.[provided by RefSeq, Sep 2010]
Cellular Location	Nucleus. Cytoplasm. Nuclear localization depends on ligand binding, phosphorylation and sumoylation. Transloaction to the nucleus in the absence of ligand is dependent on activation of PKC and the downstream MAPK phosphorylation.

Validation Images



Western Blot - Anti-RARA Rabbit mAb [96N25B57]
All lanes: R015651 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 6: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 51 kDa
Observed band size: 55 kDa
Developed using the ECL technique (Cat. No. SQ201).