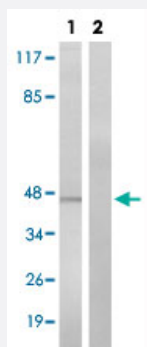


RARA (phospho S77) polyclonal antibody

Catalog # PAB29640

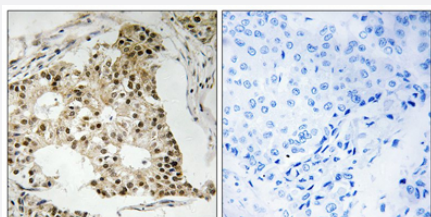
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Untreated Jurkat cell lysates, Lane 2: Synthesized peptide treated Jurkat cell lysates reacted with RARA (phospho S77) polyclonal antibody (Cat # PAB29640) at 1:500-1:3000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human breast carcinoma tissue reacted with RARA (phospho S77) polyclonal antibody (Cat # PAB29640) at 1:50-1:100 dilution. The picture on the right is treated with the synthesized peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human RARA.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S77 of human RARA.
Host	Rabbit
Theoretical MW (kDa)	45
Reactivity	Human, Mouse, Rat

Specificity	RARA (phospho S77) polyclonal antibody detects endogenous levels of human RARA only when phosphorylated at serine 77.
Form	Liquid
Purification	Affinity chromatography
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — RARA

Entrez GeneID	5914
Protein Accession#	P10276
Gene Name	RARA
Gene Alias	NR1B1, RAR
Gene Description	retinoic acid receptor, alpha
Omim ID	180240
Gene Ontology	Hyperlink

Gene Summary

Retinoid signaling is transduced by 2 families of nuclear receptors, retinoic acid receptor (RAR) and retinoid X receptor (RXR; see MIM 180245), which form RXR/RAR heterodimers. In the absence of ligand, DNA-bound RXR/RARA represses transcription by recruiting the corepressors NCO R1 (MIM 600849), SMRT (NCOR2; MIM 600848), and histone deacetylase (see MIM 601241). When ligand binds to the complex, it induces a conformational change allowing the recruitment of coactivators, histone acetyltransferases (see MIM 603053), and the basic transcription machinery. Translocations that always involve rearrangement of the RARA gene are a cardinal feature of acute promyelocytic leukemia (APL; MIM 612376). The most frequent translocation is t(15,17)(q21;q22), which fuses the RARA gene with the PML gene (MIM 102578) (Vitoux et al., 2007 [PubMed 17468032]).[supplied by OMIM]

Other Designations

OTTHUMP00000164454|OTTHUMP00000164456|Retinoic acid receptor, alpha polypeptide|nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR long form

Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
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- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
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