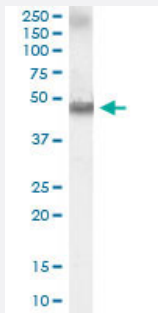


RARA polyclonal antibody

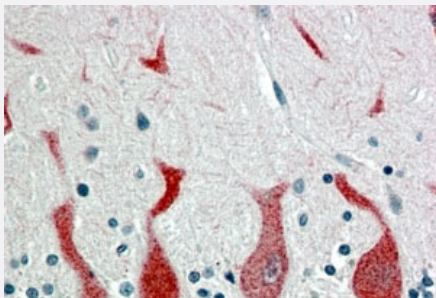
Catalog # PAB6755 Size 100 ug

Applications



Western Blot (Tissue lysate)

RARA polyclonal antibody (Cat # PAB6755) staining (0.03 ug/mL) of human brain lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



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

RARA polyclonal antibody (Cat # PAB6755) (4 ug/mL) staining of paraffin embedded human cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of RARA.
Immunogen	A synthetic peptide corresponding to human RARA.
Sequence	C-SPSLSPSSHRSSPATQSP
Host	Goat
Theoretical MW (kDa)	50.8, 50.8, 39.7
Reactivity	Human

Specificity	NP_000955.1 (isfa) and NP_001028775.1(alpha) represent identical proteins. This antibody is expected to recognize all three reported isoforms (NP_000955.1; NP_001019980.1; NP_001028775.1). Please note the epitope is from the mouse/rat sequence. Human sequence is SPSLSPSSNRSSPA THSP and thus highly similar.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:8000) Western blot (1-3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 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

- Western Blot (Tissue lysate)

RARA polyclonal antibody (Cat # PAB6755) staining (0.03 ug/mL) of human brain lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

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

RARA polyclonal antibody (Cat # PAB6755) (4 ug/mL) staining of paraffin embedded human cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — RARA

Entrez GeneID [5914](#)

Protein Accession# [NP_000955.1;NP_001019980.1;NP_001028775.1](#)

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 co activators, 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 174 68032]).[supplied by OMIM]
Other Designations	OTTHUMP00000164454 OTTHUMP00000164456 Retinoic acid receptor, alpha polypeptide nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR long form

Publication Reference

- [Cellular retinol-binding protein I, a regulator of breast epithelial retinoic acid receptor activity, cell differentiation, and tumorigenicity.](#)

Farias EF, Ong DE, Ghyselinck NB, Nakajo S, Kuppumbatti YS, Mira y Lopez R.

Journal of the National Cancer Institute 2005 Jan; 97(1):21.

Pathway

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

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)

- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
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