Datasheet for ABIN185366

anti-Retinoic Acid Receptor alpha antibody (C-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	Retinoic Acid Receptor alpha (RARA)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Retinoic Acid Receptor alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	RARA
Immunogen:	Peptide with sequence C-SPSLSPSSHRSSPATQSP, from the C Terminus of the protein sequence according to NP_000955.1, NP_001138773.1, NP_001019980.1, NP_001138774.1.
Sequence:	SPSLSPSSHR SSPATQSP
Isotype:	IgG
Specificity:	This antibody is expected to recognize all three reported isoforms (NP_000955.1, NP_001019980.1, NP_001138774.1). Please note the epitope is from the mouse/rat sequence. Human sequence is SPSLSPSSNRSSPATHSP and thus highly similar. Reported variants NP_0
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

Product Details

	chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	Retinoic Acid Receptor alpha (RARA)
Alternative Name:	RARA (RARA Products)
Background:	RARA, RAR, NR1B1, retinoic acid receptor, alpha, Retinoic acid receptor, alpha polypeptide, nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR long form, nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR short form
Gene ID:	5914
NCBI Accession:	NP_000955, NP_001138773, NP_001019980, NP_001138774
Pathways:	Nuclear Receptor Transcription Pathway, Retinoic Acid Receptor Signaling Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway, Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, S100 Proteins

Application Details

Application Notes:	Western Blot: Approx 55 kDa band observed in Human Breast and Breast cancer lysates (calculated MW of 50.8 kDa according to NP_000955.1and NP_001019980.1). Recommended concentration: 0.5-2 µg/mL. Peptide ELISA: antibody detection limit dilution 1:8000.
Restrictions:	For Research Use only

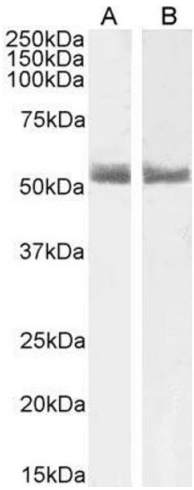
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images

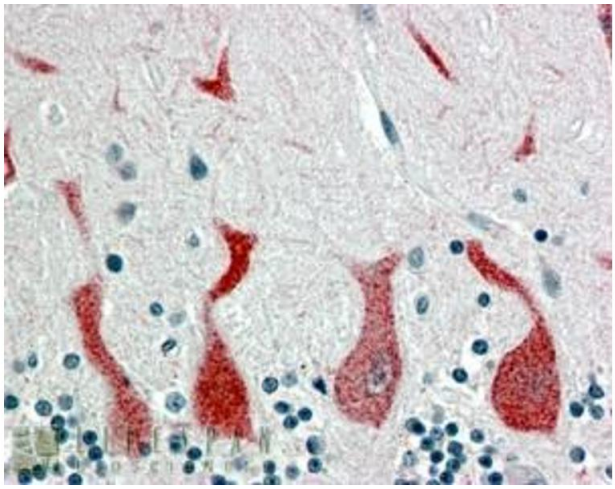


Western Blotting

Image 1. ABIN185366 (1µg/ml) staining of Human Breast (A) and Breast cancer (B) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Western Blotting

Image 2. ABIN185366 staining (0.03µg/ml) of Human Brain lysate (RIPA buffer, 30µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry

Image 3. ABIN185366 (4µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. This data is from a previous batch, not on sale.