Datasheet for ABIN5688663

anti-Retinoic Acid Receptor gamma antibody (N-Term)

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Overview

Quantity:	0.1 mL
Target:	Retinoic Acid Receptor gamma (RARG)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Dog, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Retinoic Acid Receptor gamma antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Peptide corresponding to amino acid residues from the N-terminal region of human retinoic acid receptor, a-isotype.
Clone:	763
Isotype:	IgG1
Purification:	Protein G purified

Target Details

Target:	Retinoic Acid Receptor gamma (RARG)
Alternative Name:	Retinoic Acid Receptor (RARG Products)
Background:	Retinoic acid (RA, active metabolite of vitamin A) plays a prominent role in regulating the

Target Details

	transition of proliferating precursor cells (such as carcinoma cells and neuronal precursors) to postmitotic differentiated cells (Joshi et al., 2005). The retinoid X receptors (RXRs) family (RXRalpha, beta and gamma), preferentially bind 9-cis-RA and regulate gene transcription by forming heterodimers with a second family of RA receptors. RAs have been suggested to potentially play a therapeutic role in cervical cancer (Abu et al., 2005). RAs are known to play key roles in neuronal development and an increasing body of evidence indicates that retinoid signaling may regulate synaptic plasticity and associated learning and memory behaviors (Lane and Bailey, 2005).
Molecular Weight:	48 kDa
Gene ID:	5914
UniProt:	P10276
Pathways:	Nuclear Receptor Transcription Pathway, Retinoic Acid Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway, Regulation of Cell Size

Application Details

Application Notes:	The antibody has been directly tested for reactivity in Western blots in human tissues. It is anticipated that the antibody will also work with bovine, canine and mouse tissues based on the fact that these species have 100 % homology with the amino acid sequence used as antigen.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 µLin 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50 % glycerol.
Storage:	-20 °C
Storage Comment:	Retinoic Acid Receptor antibody can be stored at -20°C and is stable at -20°C for at least 1 year.