

Datasheet for ABIN7267012
anti-ESRRG antibody



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1 Image

Overview

Quantity:	100 µL
Target:	ESRRG
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ESRRG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	ESRRG Rabbit mAb
Immunogen:	A synthesized peptide derived from human ESRRG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ESRRG
Alternative Name:	ESRRG (ESRRG Products)
Background:	This gene encodes a member of the estrogen receptor-related receptor (ESRR) family, which

Target Details

belongs to the nuclear hormone receptor superfamily. All members of the ESRR family share an almost identical DNA binding domain, which is composed of two C4-type zinc finger motifs. The ESRR members are orphan nuclear receptors; they bind to the estrogen response element and steroidogenic factor 1 response element, and activate genes controlled by both response elements in the absence of any ligands. The ESRR family is closely related to the estrogen receptor (ER) family. They share target genes, co-regulators and promoters, and by targeting the same set of genes, the ESRRs seem to interfere with the ER-mediated estrogen response in various ways. It has been reported that the family member encoded by this gene functions as a transcriptional activator of DNA cytosine-5-methyltransferases 1 (Dnmt1) expression by direct binding to its response elements in the DNMT1 promoters, modulates cell proliferation and estrogen signaling in breast cancer, and negatively regulates bone morphogenetic protein 2-induced osteoblast differentiation and bone formation. Multiple alternatively spliced transcript variants have been identified, which mainly differ at the 5' end and some of which encode protein isoforms differing in the N-terminal region. [provided by RefSeq, Aug 2011],ERR3, ERRgamma, NR3B3,Cancer,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Mitochondrial metabolism,Nuclear Receptor Signaling,Nuclear Receptor Signaling_Nuclear hormone receptors,Signal Transduction,Transcription Factors,ESRRG

Molecular Weight:	51kDa
Gene ID:	2104
UniProt:	P62508
Pathways:	Nuclear Receptor Transcription Pathway , Retinoic Acid Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

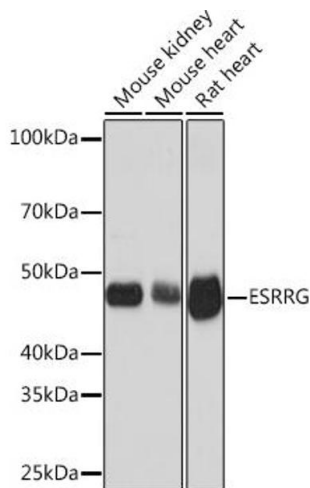
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ESRRG Rabbit mAb (ABIN7267012) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.