ESRRG Rabbit Monoclonal Antibody

CAB9606

Product Information

Product SKU:	CAB9606	**Gene ID**:	2104	**Size**:	20uL, 100uL
Clone No:	ARC1653	**Host Species:**	Rabbit	**Reactivity**:	Mouse,Rat

Additional Information

Observed MW:	47kDa	**Conjugate:**	Unconjugated
Calculated MW:	51kDa	**Isotype:**	IgG

Immunogen Information

Background:	This gene encodes a member of the estrogen receptor-related receptor (ESRR) family, which 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.
Recommended Dilution:	WB,1:500 - 1:1000
Synonyms:	ERR3; ERRg; NR3B3; ERRgamma; ERR-gamma; ESRRG
Purifcation Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ESRRG (P62508).
Storage:	Store at -20℃. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

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