
Estrogen Related Receptor gamma Rabbit pAb

Catalog Number: bs-6213R

Target Protein: Estrogen Related Receptor gamma

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse, Rat (predicted:Human, Rabbit, Pig, Sheep, Cow, Dog)

Predicted MW: 51 kDa

Entrez Gene: 2104

Swiss Prot: P62508

Source: KLH conjugated synthetic peptide derived from human ESRRG/Estrogen Related Receptor gamma: 61-160/458.

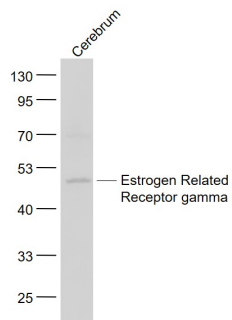
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

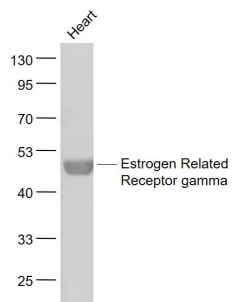
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

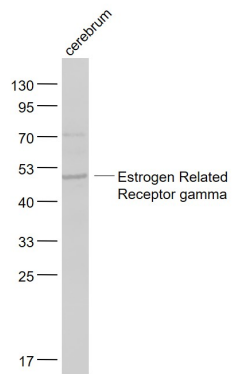
VALIDATION IMAGES



Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti- Estrogen Related Receptor gamma (bs-6213R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD
Observed band size: 51 kD



Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti- Estrogen Related Receptor gamma (bs-6213R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD
Observed band size: 51 kD



Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti- Estrogen Related Receptor gamma (bs-6213R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD
Observed band size: 51 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.258] Liu H et al. Cybrid Model Supports Mitochondrial Genetic Effect on Pig Litter SizeFront Genet.2020 Dec 15;11:579382. WB ; pig . 33384712