Estrogen Related Receptor alpha Rabbit mAb

Catalog No: #48925

Package Size: #48925-1 50ul #48925-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

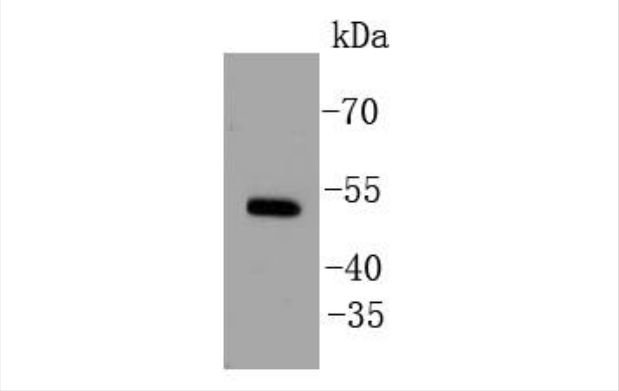
Description

Product Name	Estrogen Related Receptor alpha Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC57-07
Purification	ProA affinity purified
Applications	WB, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Err 1 antibody ERR a antibody ERR alpha antibody ERR-alpha antibody Err1 antibody ERR1 protein antibody ERR1_HUMAN antibody ERRa antibody ERRalpha antibody ESRL 1 antibody ESRL1 antibody ESRR A antibody Esrra antibody Estrogen receptor like 1 antibody Estrogen receptor related 1 antibody estrogen receptor related receptor alpha antibody Estrogen receptor-like 1 antibody Estrogen related receptor alpha antibody Estrogen-related receptor alpha antibody Estrra antibody hERR1 antibody NR3B1 antibody Nuclear receptor subfamily 3 group B member 1 antibody Steroid hormone receptor ERR1 antibody
Accession No.	Swiss-Prot#:P11474
Uniprot	P11474
GeneID	2101;
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

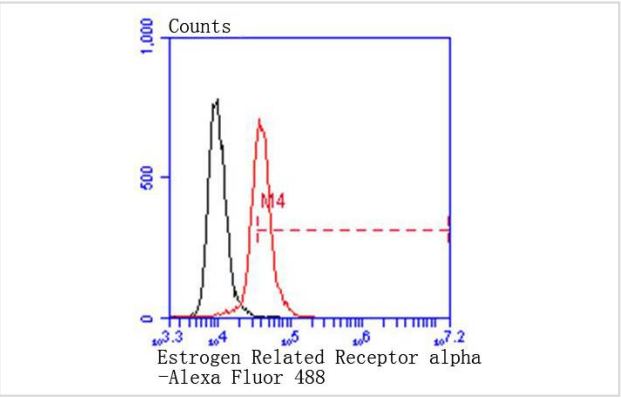
Application Details

WB: 1:1,000-1:2,000 FC: 1:50-1:100

Images



Western blot analysis of Estrogen Related Receptor alpha on MCF-7 cell lysates using anti-Estrogen Related Receptor alpha antibody at 1/1,000 dilution.



Flow cytometric analysis of Hela cells with Estrogen Related Receptor alpha antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Estrogen related receptor alpha (ERRα) is a nuclear receptor in the superfamily of ligand-regulated transcription factors and is a member of the NR3B orphan nuclear receptor subgroup (consisting of α, β and γ). ERRα plays a role in modulating the estrogen signaling pathway. In addition, the expression of ERRα has been shown to increase during fasting and cold exposure. ERRα may be important for regulating mitochondrial biogenesis and oxidative metabolism by acting directly on genes necessary for mitochondrial function. Mice lacking ERRα are unable to maintain their body temperature in the cold. ERRα may also be involved in the maintenance and formation of cartilage. This information could be useful in finding therapeutic agents for a variety of diseases affecting the joints.

References

Note: This product is for in vitro research use only