

Estrogen Related Receptor alpha Rabbit mAb

Catalog No: #48925

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



SAB[®]
Signalway Antibody

Orders: order@signalwayantibody.com
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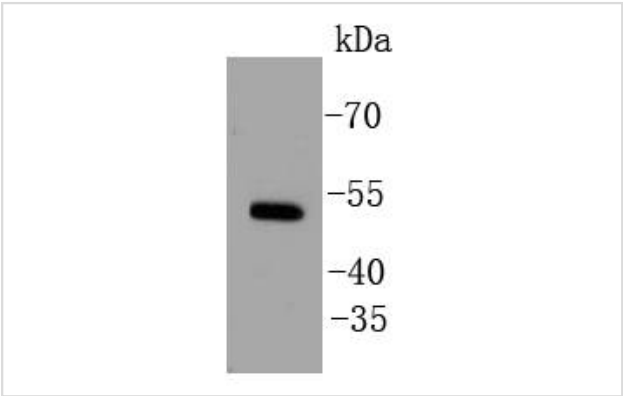
Description

Product Name	Estrogen Related Receptor alpha Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SC57-07
Purification	ProA affinity purified
Applications	WB, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
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
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

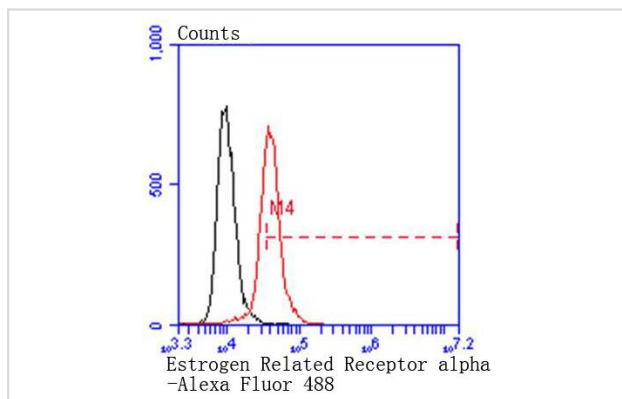
Application Details

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 (ERR α) 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). ERR α plays a role in modulating the estrogen signaling pathway. In addition, the expression of ERR α has been shown to increase during fasting and cold exposure. ERR α may be important for regulating mitochondrial biogenesis and oxidative metabolism by acting directly on genes necessary for mitochondrial function. Mice lacking ERR α are unable to maintain their body temperature in the cold. ERR α 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 and is not intended for use in humans or animals.