



# Rabbit Anti-ESRRA monoclonal antibody, clone TD68-18 (CABT-L689)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	Estrogen Related Receptor alpha
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	TD68-18
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP, FC
<b>Molecular Weight</b>	53 kDa
<b>Cellular Localization</b>	Nucleus.
<b>Positive Control</b>	MCF-7.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	Estrogen related receptor alpha (ERR $\alpha$ ) 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 $\alpha$ , $\beta$ and $\gamma$ ). ERR $\alpha$ plays a role in modulating the estrogen signaling pathway. In addition, the expression of ERR $\alpha$ has been shown to increase during fasting and cold exposure. ERR $\alpha$ may be important for regulating mitochondrial biogenesis and oxidative metabolism by acting directly on genes necessary for mitochondrial function. Mice lacking ERR $\alpha$ are unable to maintain their body temperature in the cold. ERR $\alpha$ 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.
<b>Keywords</b>	Err 1;ERR a;ERR alpha;ERR-alpha;Err1;ERR1 protein;ERR1_HUMAN;ERRa;ERRalpha;ESRL 1;ESRL1;ESRR A;Esrra;Estrogen receptor like 1;Estrogen receptor related 1;estrogen receptor related receptor alpha;Estrogen receptor-like 1;Estrogen related receptor alpha;Estrogen-related receptor alpha;Estrra;hERR1;NR3B1;Nuclear receptor subfamily 3 group B member 1;Steroid hormone receptor ERR1 antibody

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