

Product Name: KD-Validated Estrogen Related Receptor Alpha Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01894

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 45.5kDa

Antigen Information

Gene Name	ESRRA
Alternative Names	ESRRA; Estrogen Related Receptor Alpha; NR3B1; ERR1; ESRL1; Nuclear Receptor Subfamily 3 Group B Member 1; Steroid Hormone Receptor ERR1; Estrogen Receptor-Like 1; ERR-Alpha; ERRalpha; ERRa; Estrogen-Related Nuclear Receptor Alpha; Estrogen-Related Receptor Alpha; ERRALPHA; ERRA
Gene ID	2101.0
SwissProt ID	P11474
Immunogen	A synthesized peptide derived from human ERR alpha

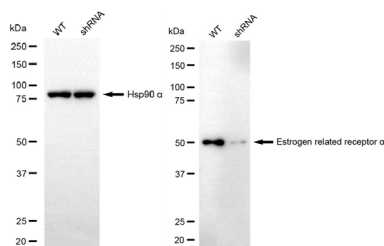
Background

The protein encoded by this gene is a nuclear receptor that is most closely related to the estrogen receptor. This protein acts as a site-specific transcription factor and interacts with members of the PGC-1 family of transcription cofactors to regulate the expression of most genes involved in cellular energy production as well as in the process of mitochondrial biogenesis. A processed pseudogene of ESRRA is located on chromosome 13q12.1. [provided by RefSeq, Jun 2019]

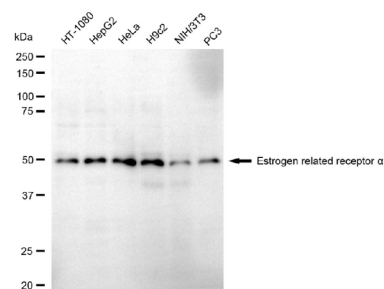
Research Area

Epigenetics and Nuclear Signaling,Signal Transduction,Cancer,Metabolism,Neuroscience

Image Data



Western blotting analysis using estrogen related receptor alpha antibody (KVA01894). Estrogen related receptor alpha expression in wild-type (WT) and estrogen related receptor alpha (ESRRA) shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with estrogen related receptor alpha antibody (KVA01894, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using estrogen related receptor alpha antibody (KVA01894). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with estrogen related receptor alpha antibody (KVA01894, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.