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ESRRA / ERR Alpha Antibody (Ligand-binding Domain)

Rabbit Polyclonal Antibody
Catalog # ALS10824

Specification

ESRRA / ERR Alpha Antibody (Ligand-binding Domain) - Product Information

Application	**IHC**
Primary Accession	P11474
Reactivity	**Human, Mouse, Hamster, Monkey, Pig, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46kDa KDa**

ESRRA / ERR Alpha Antibody (Ligand-binding Domain) - Additional Information

Gene ID 2101

Other Names
Steroid hormone receptor ERR1, Estrogen receptor-like 1, Estrogen-related receptor alpha, ERR-alpha, Nuclear receptor subfamily 3 group B member 1, ESRRA, ERR1, ESRL1, NR3B1

Target/Specificity
Human ESRRA. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ESRRG (60%).

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
ESRRA / ERR Alpha Antibody (Ligand-binding Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

ESRRA / ERR Alpha Antibody (Ligand-binding Domain) - Protein Information

Name ESRRA

Synonyms ERR1, ESRL1, NR3B1

Function
Binds to an ERR-alpha response element (ERRE) containing a single consensus half-site, 5'-TNAAGGTCA-3'. Can bind to the medium- chain acyl coenzyme A dehydrogenase (MCAD) response element NRRE-1 and may act as an important regulator of MCAD promoter. Binds to the C1 region of the lactoferrin gene promoter. Requires dimerization and the coactivator, PGC-1A, for full activity. The ERRalpha/PGC1alpha complex is a regulator of energy metabolism. Induces the expression of PERM1 in the skeletal muscle.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407, ECO:0000269|PubMed:18063693, ECO:0000269|PubMed:21190936}. Cytoplasm. Note=Co-localizes to the cytoplasm only in presence of MAPK15.

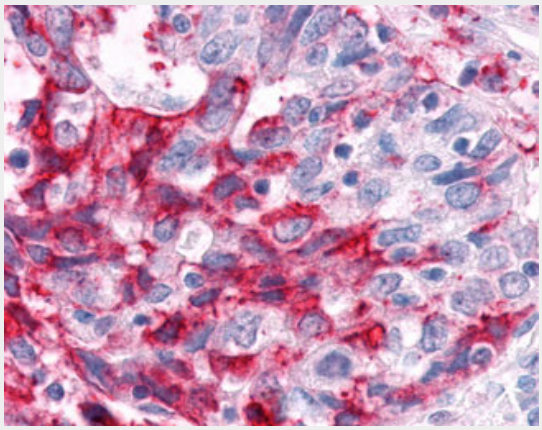
Volume
50 µl

ESRRA / ERR Alpha Antibody (Ligand-binding Domain) - Protocols

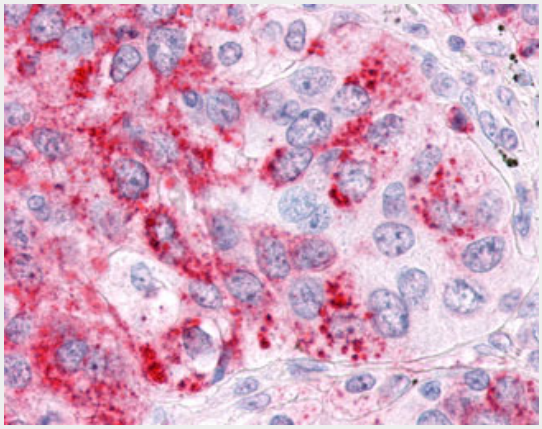
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ESRRA / ERR Alpha Antibody (Ligand-binding Domain) - Images

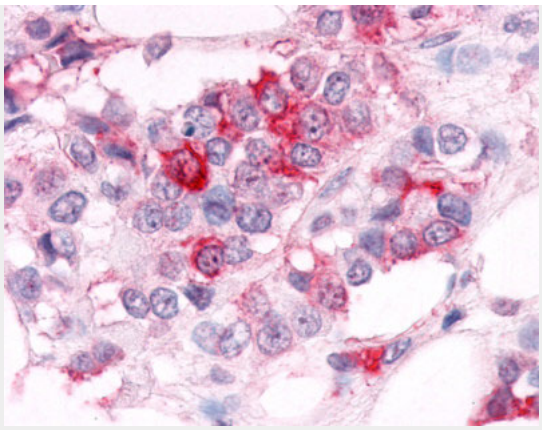


Anti-ESRRA / ERR Alpha antibody IHC of human Ovary, Carcinoma.



Anti-ESRRA / ERR Alpha antibody IHC of human Lung, Non-Small Cell Carcinoma.

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Anti-ESRRA antibody ALS10824 IHC of human breast carcinoma.

ESRRA / ERR Alpha Antibody (Ligand-binding Domain) - Background

Binds to an ERR-alpha response element (ERRE) containing a single consensus half-site, 5'-TNAAGGTCA-3'. Can bind to the medium-chain acyl coenzyme A dehydrogenase (MCAD) response element NRRE-1 and may act as an important regulator of MCAD promoter. Binds to the C1 region of the lactoferrin gene promoter. Requires dimerization and the coactivator, PGC-1A, for full activity. The ERRalpha/PGC1alpha complex is a regulator of energy metabolism. Induces the expression of PERM1 in the skeletal muscle.

ESRRA / ERR Alpha Antibody (Ligand-binding Domain) - References

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Wiley S.R.,et al.Genes Dev. 7:2206-2219(1993).
Sladek R.,et al.Mol. Cell. Biol. 17:5400-5409(1997).