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ESR1 isoform4 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19657b

Specification

ESR1 isoform4 Antibody(C-term) - Product Information

Application	**WB,E**
Primary Accession	P03372-4
Other Accession	NP_000116.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36.5K KDa**
Antigen Region	**283-312**

ESR1 isoform4 Antibody(C-term) - Additional Information

Other Names
ESR1; ESR; NR3A1; Estrogen receptor; ER-alpha; Estradiol receptor; Nuclear receptor subfamily 3 group A member 1

Target/Specificity
This ESR1 isoform4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-312 amino acids from the C-terminal region of human ESR1 isoform4.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ESR1 isoform4 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ESR1 isoform4 Antibody(C-term) - Protein Information

ESR1 isoform4 Antibody(C-term) - Protocols

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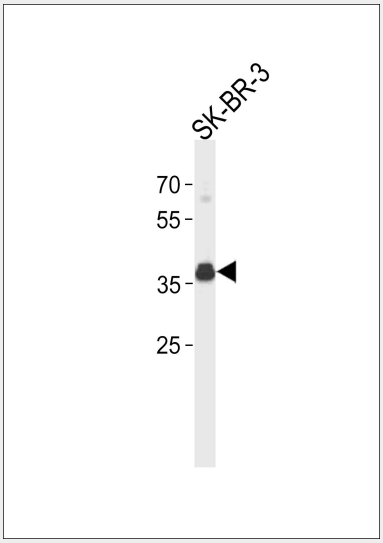
Provided below are standard protocols that you may find useful for product applications.

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

ESR1 isoform4 Antibody(C-term) - Images



ESR1 isoform4 Antibody (C-term) (Cat. #AP19657b) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the ESR1 antibody detected the ESR1 protein (arrow).

ESR1 isoform4 Antibody(C-term) - Background

This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters.

ESR1 isoform4 Antibody(C-term) - References

Geradts, J., et al. Cancer Invest. 28(9):969-977(2010)
Hayes, D.F., et al. Clin. Pharmacol. Ther. 88(5):626-629(2010)
Lupien, M., et al. Genes Dev. 24(19):2219-2227(2010)
Corbo, R.M., et al. J. Gerontol. A Biol. Sci. Med. Sci. (2010) In press :
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ESR1 isoform4 Antibody(C-term) - Citations

- Alternative splicing of estrogen receptor alpha in hepatocellular carcinoma.