

Estrogen Receptor α rabbit pAb

Cat No.:ES20757

For research use only

Overview

Product Name	Estrogen Receptor α rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB: 1:500-1:2000
Immunogen	Recombinant Protein of Estrogen Receptor α
Specificity	The antibody detects endogenous Estrogen Receptor α protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Estrogen receptor (ER) (ER-alpha) (Estradiol receptor) (Nuclear receptor subfamily 3 group A member 1)
Gene Name	ESR1
Cellular localization	[Isoform 1]: Nucleus . Cytoplasm . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . A minor fraction is associated with the inner membrane.; [Isoform 3]: Nucleus. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cel
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	66kD
Human Gene ID	2099
Human Swiss-Prot Number	P03372
Alternative Names	Estrogen receptor (ER) (ER-alpha) (Estradiol receptor) (Nuclear receptor subfamily 3 group A member 1)
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 promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined. [provided by RefSeq, Mar 2014],

Western blot analysis of 1) HeLa, 2) MCF7, 3) Mouse Liver Tissue, 4) Rat Liver Tissue with Estrogen Receptor a Rabbit pAb diluted at 1:2,000.

