

Anti-Estrogen Receptor alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

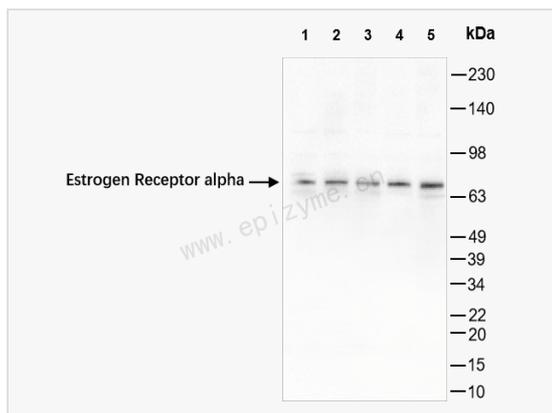
Catalog # R015489

Product Information

Application	WB, ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	31S10A23
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Estrogen Receptor alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Estrogen Receptor alpha Rabbit mAb [31S10A23] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	7*/654 isoform; 7*/819 2 isoform; 7*/822 isoform; 8*/901 isoform; 8*/941 isoform; DKFZp686N23123; ER alpha; ER; ER-alpha; Era; ESR; ESR1; ESR1_HUMAN; ESRA; Estradiol receptor; Estrogen nuclear receptor alpha; Estrogen receptor 1; Estrogen receptor alpha 3*,4,5,6,7*/822 isoform; Estrogen receptor alpha; Estrogen receptor alpha delta 3*,4,5,6,7*,8*/941 isoform; Estrogen receptor alpha delta 3*,4,5,6,7*/819 2 isoform; Estrogen receptor alpha delta 4 +49 isoform; Estrogen receptor alpha delta 4*,5,6,7*/654 isoform; Estrogen receptor alpha delta 4*,5,6,7,8*/901 isoform; Estrogen receptor alpha E1 E2 1 2; Estrogen receptor alpha E1 N2 E2 1 2; Estrogen receptor; ESTRR; NR3A1; Nuclear receptor subfamily 3 group A member 1.
Calculated MW	Calculated MW: 66 kDa; Observed MW: 66 kDa
Uniprot ID	P03372
Gene ID	2099
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 - Anti-Estrogen Receptor alpha Rabbit mAb [31S10A23]

All lanes: R015489 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Huh1 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 4: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lane 5: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 66 kDa

Observed band size: 66 kDa

Developed using the ECL technique (Cat. No. SQ201).