

Mouse Estrogen Receptor-alpha Monoclonal Antibody | anti-ESR1 antibody

Estrogen Receptor-alpha Antibody

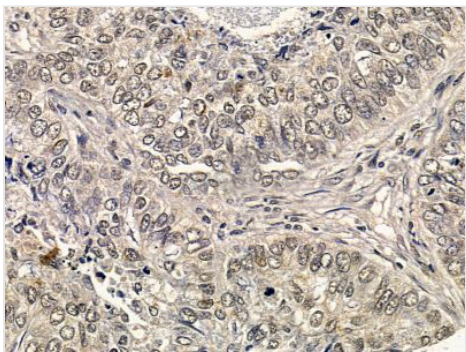
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA330084	Mouse	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

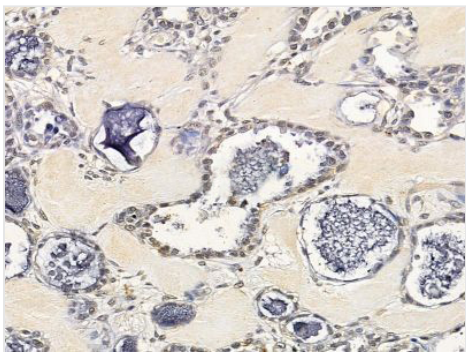
Estrogen Receptor-alpha; Monoclonal Antibody; Estrogen Receptor-alpha Antibody; DKFZp686N23123; ER alpha; ER; ER-alpha; Era; ESR; ESR1; ESR1_HUMAN; ESRA; Estradiol receptor; Estrogen nuclear receptor alpha; Estrogen receptor 1; Estrogen receptor alpha 3*; 4; 5; 6; 7*/822 isoform; Estrogen receptor alpha; Estrogen receptor alpha delta 3*; 7*; 8*/941 isoform; 7*/819 2 isoform; Estrogen receptor alpha delta 4 +49 isoform; Estrogen receptor alpha delta 4*; 7*/654 isoform; 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; anti-ESR1 antibody

PRODUCT SPECIFICATIONS

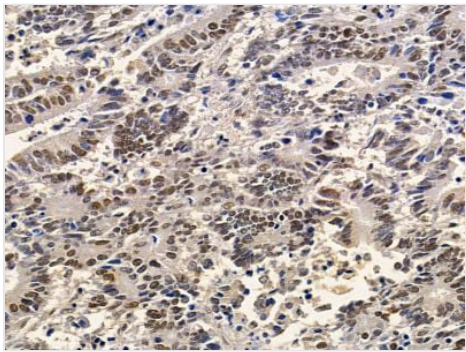
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG1
Specificity	Estrogen Receptor-alpha Antibody detects endogenous levels of total Estrogen Receptor-alpha.
Purity/Purification	Affinity-chromatography.
Form/Format	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence	MTMTLHTKAS GMALLHQIQG NELEPLNRPQ LKIPLERPLG EVYLDSSKPA VYNYPEGAAY EFNAAAAANA QVYGQTGLPY GPGSEAAAFG SNGLGGFPPL NSVSPSPLML LHPPPQLSPF LQPHGQQVPY YLENESPGYT VREAGPPAFY RPNSDNRRQG GRERLASTND KGSMAMESAK ETRYCAVCND YASGYHYGVW SCEGCKAFFK RSIQGHNDYM CPATNQCTID KNRRKSCQAC RLRKCYEVGM MKGGIRKDRR GGRMLKHKRQ RDDGEGRGEV GSAGDMRAAN LWPSPLMIKR SKKNSLALS LADQMVSALL DAEPPILYSE YDPTRPFSEA SMMGLLTNLA DRELVHMINW AKRVPGFVDL TLHDQVHLE CAWLEILMIG LVWRSMHEPG KLLFAPNLLL DRNQGKCEG MVEIFDMLLA TSSRFMMNL QGEFVCLKS ILLNSGVYT FLSSTLKSLE EKDHIHRVLD KITDTLIHLM AKAGLTQQQ HQRLAQLLLI LSHIRHMSNK GMEHLYSMKC KNVVPLYDLL LEMLDARHLH APTSRGGASV EETDQSHLAT AGSTSSHSLQ KYIITGEAEG FPATV
Applicable Applications for anti-ESR1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Estrogen Receptor-alpha.
Conjugation	Unconjugated
Expression	Widely expressed. Isoform 3 is not expressed in the pituitary gland.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



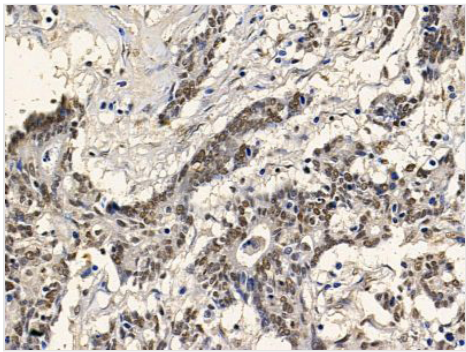
IHC (Immunohistochemistry)
AAA330084 at 1/100 staining human lung cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



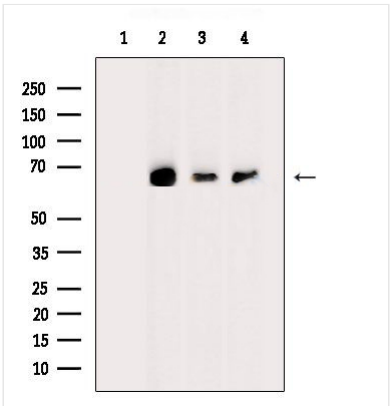
IHC (Immunohistochemistry)
AAA330084 at 1/100 staining aaaaaa by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA330084 at 1/100 staining human prostate cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA330084 at 1/100 staining human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from various samples, using Estrogen Receptor-alpha Antibody. Lane 1: MCF7 cells treated with blocking peptide, Lane 2: MCF7 cells, Lane 3: PC12 cells, Lane 4: 3T3-L1P6 cells.

ADDITIONAL INFORMATION

Related Product Information for anti-ESR1 antibody	ER-alpha is a nuclear hormone receptor and transcription factor. Regulates gene expression and affects cellular proliferation and differentiation in target tissues. Two splice-variant isoforms have been described.
Product Categories/Family for anti-ESR1 antibody	Primary antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	2099
UniProt Accession #	P03372
Molecular Weight	66kD,55kD; 66kD(Calculated)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/estrogen-receptor-alpha-antibody-immunohistochemistry-western-blot-elisa/330084>