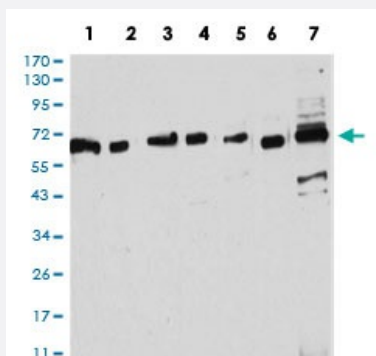


ESR1 monoclonal antibody, clone 6A6E8

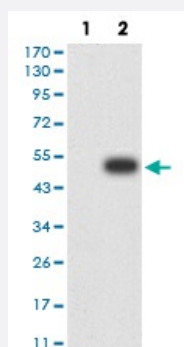
Catalog # MAB17277 Size 100 ug

Applications



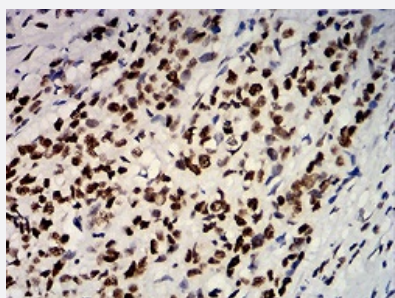
Western Blot (Cell lysate)

Western blot analysis of Lane 1: MOLT4 cell; Lane 2: Raji cell; Lane 3: MCF-7 cell; Lane 4: T47D cell; Lane 5: SK-Br-3 cell; Lane 6: HeLa cell; Lane 7: C6 cell with ESR1 monoclonal antibody.



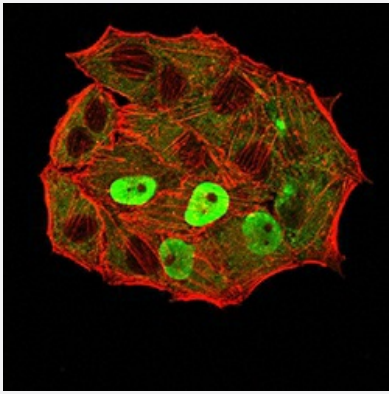
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) ESR1-hlgGFc transfected HEK293 cell lysate.



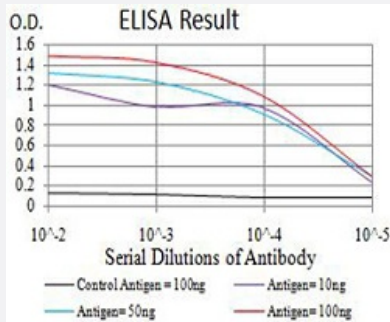
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded breast cancer tissues with ESR1 monoclonal antibody.



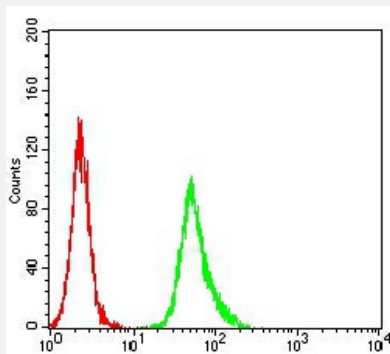
Immunocytochemistry

Immunocytochemical staining of HeLa cells with ESR1 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor-555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ESR1 monoclonal antibody, clone 6A6E8.



Flow Cytometry

Flow cytometric analysis of HeLa cells with ESR1 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ESR1.
Immunogen	Recombinant protein corresponding to amino acid 2-185 of human ESR1 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	66.2kDa
Reactivity	Human, Rat
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: MOLT4 cell; Lane 2: Raji cell; Lane 3: MCF-7 cell; Lane 4: T47D cell; Lane 5: SK-Br-3 cell; Lane 6: HeLa cell; Lane 7: C6 cell with ESR1 monoclonal antibody.

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Western Blot analysis of (1) HEK293 cells, (2) ESR1-hlgGfC transfected HEK293 cell lysate.

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Immunohistochemical staining of paraffin-embedded breast cancer tissues with ESR1 monoclonal antibody.

- Immunocytochemistry

Immunocytochemical staining of HeLa cells with ESR1 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ESR1 monoclonal antibody, clone 6A6E8.

- Flow Cytometry

Flow cytometric analysis of HeLa cells with ESR1 monoclonal antibody (green) and negative control (red).

Gene Info — ESR1

Entrez GeneID [2099](#)

Gene Name ESR1

Gene Alias	DKFZp686N23123, ER, ESR, ESRA, Era, NR3A1
Gene Description	estrogen receptor 1
Omim ID	133430 157300 608446
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000017718 OTTHUMP00000017719 estrogen receptor alpha

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- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Aortic Aneurysm](#)
- [Arteriosclerosis](#)
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- [Vitiligo](#)
- [Weight Gain](#)
- [Werner syndrome](#)
- [Yang Deficiency](#)
- [Yin Deficiency](#)