

## Rabbit anti-Human, Rat ESR2 Polyclonal Antibody | anti-ESR2 antibody

ESR2 antibody - N-terminal region

|                              |                       |                                 |                                                           |
|------------------------------|-----------------------|---------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA23449</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|---------------------------------|-----------------------------------------------------------|

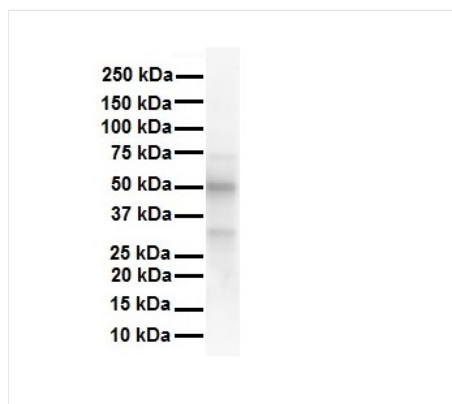
### PRODUCT SYNONYMS

ESR2; Polyclonal Antibody; ESR2 antibody - N-terminal region; anti-ESR2 antibody

### PRODUCT SPECIFICATIONS

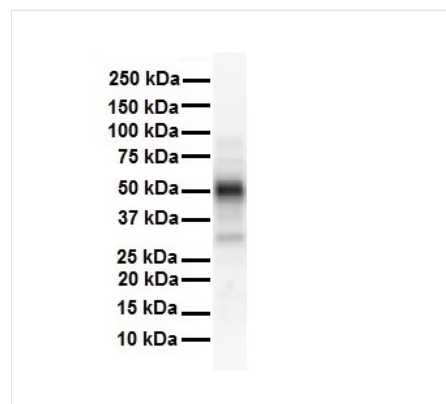
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human, Rat                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: SYVDSHHEY PAMTFYSPAVMNY SIPSNTNLEGGPGRQTTP NVLWPTPG                                                      |
| Sequence Length                                | 530                                                                                                                                                   |
| Applicable Applications for anti-ESR2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Homology                                       | Human: 100%; Rat: 91%                                                                                                                                 |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the N terminal region of human ESR2                                                             |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



WB (Western Blot)

WB Suggested Anti-ESR2 antibody Titration: 1 ug/mL Sample Type: Human liver



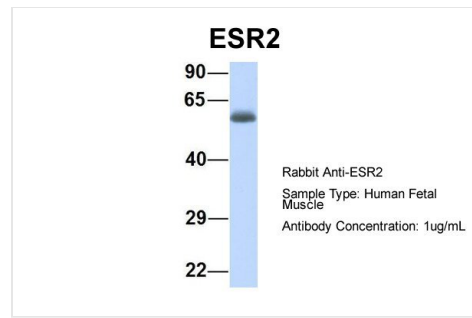
WB (Western Blot)

WB Suggested Anti-ESR2 antibody Titration: 1 ug/mL Sample Type: Human heart



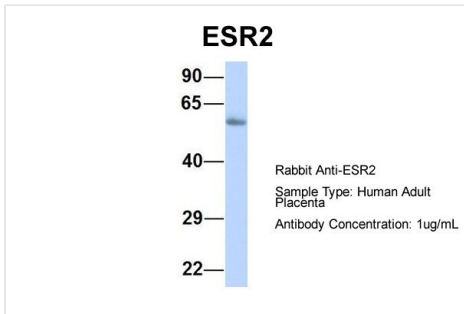
#### WB (Western Blot)

WB Suggested Anti-ESR2 Antibody Titration: 0.2-1 ug/ml  
 ELISA Titer: 1:62500  
 Positive Control: ACHN cell lysate



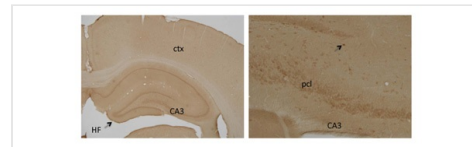
#### WB (Western Blot)

Host: Rabbit  
 Target Name: ESR2  
 Sample Type: Human Fetal Muscle  
 Antibody Dilution: 1.0ug/ml



#### WB (Western Blot)

Host: Rabbit  
 Target Name: ESR2  
 Sample Type: Human Adult Placenta  
 Antibody Dilution: 1.0ug/ml



#### IHC (Immunohistochemistry)

Rat Brain

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-ESR2 antibody</b> | <p>This is a rabbit polyclonal antibody against ESR2. It was validated on Western Blot</p> <p>Target Description: ESR2 is a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. It contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized.</p> |
| <b>Product Categories/Family for anti-ESR2 antibody</b>   | <p><a href="#">Polyclonal</a>; <a href="#">Transcription Factor</a>; <a href="#">Transcription Regulation</a>; <a href="#">Lymphocyte Signaling</a>; <a href="#">Growth Factors &amp; Hormones</a>; <a href="#">Transcription Regulation</a>; <a href="#">Cell Biology</a>; <a href="#">Chromatin &amp; Nuclear Signaling</a>; <a href="#">Immunology</a>; <a href="#">Mitochondria</a>; <a href="#">DNA/RNA/Protein Interactions</a>; <a href="#">Immunohistochemistry</a></p>                                                                                                                                                                                                                                                                                                                                              |

## NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 94538325                         |
| NCBI GeneID                      | 2100                             |
| NCBI Accession #                 | NP_001428                        |
| NCBI GenBank Nucleotide #        | NM_001437                        |
| UniProt Accession #              | Q92731                           |
| Molecular Weight                 | 56kDa                            |
| NCBI Official Full Name          | estrogen receptor beta isoform 2 |
| NCBI Official Synonym Full Names | estrogen receptor 2              |
| NCBI Official Symbol             | ESR2                             |

|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| NCBI Official Synonym Symbols | Erb; ESRB; ODG8; ESTRB; NR3A2; ER-BETA; ESR-BETA |
| NCBI Protein Information      | estrogen receptor beta                           |
| UniProt Protein Name          | Estrogen receptor beta                           |
| UniProt Gene Name             | <b>ESR2</b>                                      |
| UniProt Synonym Gene Names    | ESTRB; NR3A2; ER-beta                            |
| UniProt Entry Name            | ESR2_HUMAN                                       |

**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](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/polyclonal/esr2-antibody-immunohistochemistry-western-blot-elisa/23449>