

Rabbit ESR2 Polyclonal Antibody | anti-ESR2 antibody

ESR2 antibody - N-terminal region

CATALOG # AAA197204	HOST Rabbit	REACTIVITY Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep	APPLICATIONS Western Blot
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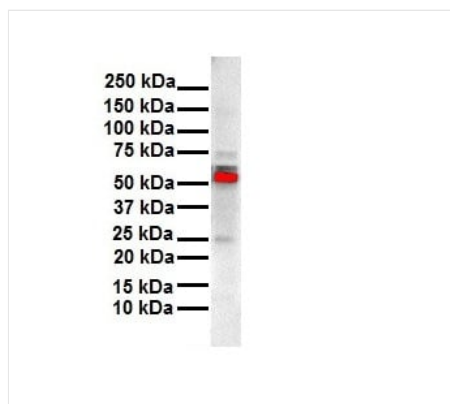
PRODUCT SYNONYMS

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

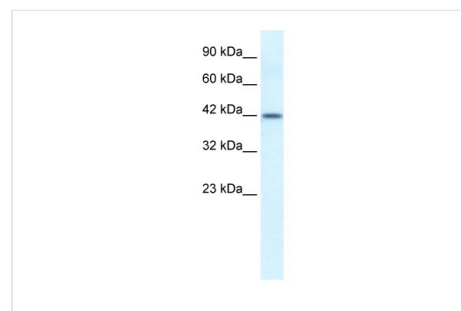
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Specificity	Directed towards isoforms 1-8.
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 located within the following region: TP GHLSPLVVHR QLSHLYAEPQ KSPWCEARSL EHTLPVNRET LKRKVSNG
Sequence Length	530
Applicable Applications for anti-ESR2 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 93%; Goat: 93%; Guinea Pig: 93%; Horse: 79%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 85%; Rat: 100%; Sheep: 93%
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: 0.2-1 ug/mL ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate There is BioGPS gene expression data showing that ESR2 is expressed in HepG2

ADDITIONAL INFORMATION

Related Product Information for anti-ESR2 antibody	This is a rabbit polyclonal antibody against ESR2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: ESR2 is a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product 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 encoded 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.
Product Categories/Family for anti-ESR2 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Lymphocyte Signaling; Transcription Regulation; Chromatin & Nuclear Signaling; DNA/RNA/Protein Interactions; Receptors; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	94538325
NCBI GeneID	2100
NCBI Accession #	NP_001428
NCBI GenBank Nucleotide #	NM_001437
UniProt Accession #	Q92731
Molecular Weight	59kDa
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	ESR2
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.