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Datasheet for ABIN2779528 anti-ESR2 antibody (Middle Region)

4 Images



Overview

Quantity:	100 µL
Target:	ESR2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Sheep, Pig, Horse, Dog, Cow, Rabbit, Guinea Pig, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ESR2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ESR2
Sequence:	EYLCVKAMIL LNSSMYPLVT ATQDADSSRK LAHLLNAVTD ALVWVIAKSG
Predicted Reactivity:	Cow: 86%, Dog: 86%, Goat: 86%, Guinea Pig: 79%, Horse: 79%, Human: 100%, Mouse: 86%, Pig: 86%, Rabbit: 86%, Rat: 86%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against ESR2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	ESR2

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Target Details	
Alternative Name:	ESR2 (ESR2 Products)
Background:	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. This gene encodes 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.
	Alias Symbols: ER-BETA, ESR-BETA, ESRB, ESTRB, Erb, NR3A2
	Protein Interaction Partner: PLSCR1, MEOX2, NOTCH2NL, RFX6, MMS19, BCAS2, NCOA1,
	RPS18, MRPS15, MRPS22, ZC3HAV1, PTCD3, EXOSC4, MRPS2, MED4, MRPS27, MRPS31,
	MED17, TRIM24, NRIP1, NCOA3, STAU1, SP1, PABPC5, MYLK2, RPS11, RPS4X, RPLP0,
	RPL36AL, PPP5C, HSPA8, ESR2, ESR1, ACTB, SRA1, ARI
	Protein Size: 530
Molecular Weight:	59 kDa
Gene ID:	2100
NCBI Accession:	NM_001437, NP_001428
UniProt:	Q92731
Pathways:	Nuclear Receptor Transcription Pathway, EGFR Signaling Pathway, Intracellular Steroid
	Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway,
	Regulation of Intracellular Steroid Hormone Receptor Signaling
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 530 AA

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Application Details

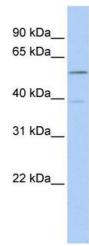
Restrictions:

For Research Use only

Handling

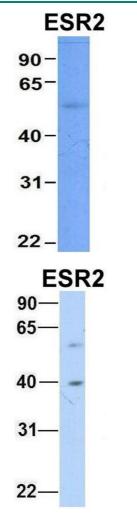
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

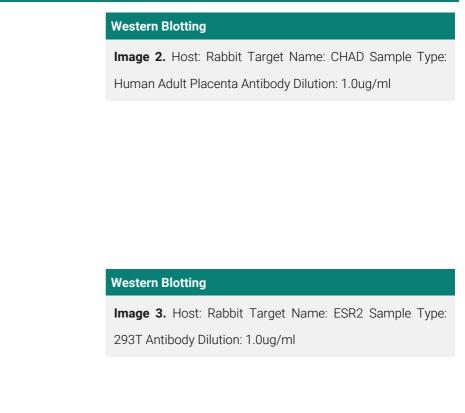
Images



Western Blotting

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





Please check the product details page for more images. Overall 4 images are available for ABIN2779528.

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