

Datasheet for ABIN1881321
anti-ESR2 antibody (C-Term)



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Overview

Quantity:	400 µL
Target:	ESR2
Binding Specificity:	AA 451-480, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ESR2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ESR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 451-480 amino acids from the C-terminal region of human ESR2.
Clone:	RB41117
Isotype:	Ig Fraction
Predicted Reactivity:	B, Sh
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ESR2
Alternative Name:	ESR2 (ESR2 Products)

Target Details

Background:	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.
Molecular Weight:	59216
NCBI Accession:	NP_001035365 , NP_001201831 , NP_001201832 , NP_001258805 , NP_001258806 , 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:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

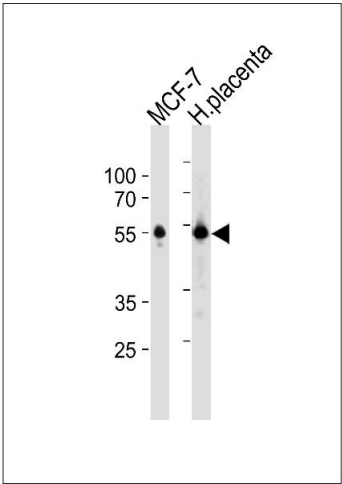
Publications

Product cited in:	Fang, Lu, Wang, Wu, Li, Zhang, Pan, Wan: "Prognostic impact of ERβ and MMP7 expression on overall survival in colon cancer." in: Tumour biology , Vol. 31, Issue 6, pp. 651-8, (2010) (PubMed)
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Hayes, Skaar, Rae, Henry, Nguyen, Stearns, Li, Philips, Desta, Flockhart: "Estrogen receptor genotypes, menopausal status, and the effects of tamoxifen on lipid levels: revised and updated results." in: **Clinical pharmacology and therapeutics**, Vol. 88, Issue 5, pp. 626-9, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. ESR2 Antibody (C-term) (ABIN1881321 and ABIN2838608) western blot analysis in MCF-7 cell line and human placenta tissue lysates (35 µg/lane). This demonstrates the ESR2 antibody detected the ESR2 protein (arrow).