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Datasheet for ABIN726905 anti-ESR2 antibody (AA 50-100)

2 Images

3 Publications



Overview

Quantity:	100 µL
Target:	ESR2
Binding Specificity:	AA 50-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ESR2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ER-Beta
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	ESR2
Alternative Name:	Estrogen receptor beta (ESR2 Products)

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Target Details	
Background:	Synonyms: Erb, ESRB, ESTRB, NR3A2, ER-BETA, ESR-BETA, Estrogen receptor beta, Nuclear receptor subfamily 3 group A member 2, ESR2 Background: Nuclear hormone receptor. Binds estrogens with an affinity similar to that of ESR1, and activates expression of reporter genes containing estrogen response elements (ERE) in an estrogen-dependent manner. Isoform beta-cx lacks ligand binding ability and has no or only very low ere binding activity resulting in the loss of ligand-dependent transactivation ability. DNA-binding by ESR1 and ESR2 is rapidly lost at 37 degrees Celsius in the absence of ligand while in the presence of 17 beta-estradiol and 4-hydroxy-tamoxifen loss in DNA-binding at elevated temperature is more gradual.
Gene ID:	2100
UniProt:	Q92731
Pathways:	Nuclear Receptor Transcription Pathway, EGFR Signaling Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway,

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Regulation of Intracellular Steroid Hormone Receptor Signaling

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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Handling	
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Wu, Feng, Lin, Qu, He, Wang, Gao, Zhao: "Downregulation of G-protein-coupled receptor 30 in
	the hippocampus attenuates the neuroprotection of estrogen in the critical period hypothesis."
	in: Molecular medicine reports, Vol. 17, Issue 4, pp. 5716-5725, (2018) (PubMed).
	Zhou, Li, Wang, Cheng, Ding: "Estrogen receptor alpha is essential for the proliferation of prostatic smooth muscle cells stimulated by 17?-estradiol and insulin-like growth factor 1." in:
	Cell biochemistry and function, Vol. 29, Issue 2, pp. 120-5, (2011) (PubMed).

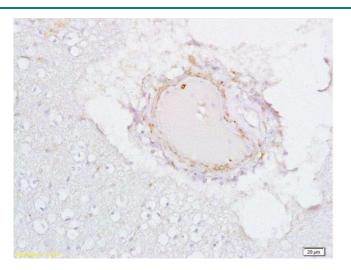
Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human brain tissue labeled with Rabbit Anti-ER-Beta Polyclonal Antibody, Unconjugated (ABIN726905) at 1:200 followed by conjugation to the secondary antibody and DAB staining.

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Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human brain tissue labeled with Rabbit Anti-ER-Beta Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

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