

Estrogen Receptor beta Polyclonal Antibody

Product Details	
Size	50 µg
Species Reactivity	Human, Mouse, Non-human primate, Sheep, Rat
Published Species	Rat, Pig, Non-human primate, Bovine, Hamster, Sheep, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues A(55) E P Q K S P W C E A R S L E H(70) of rat ER beta.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_325597

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	32 Publications
Immunohistochemistry (IHC)	-	34 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1 µg/mL	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	1 µg/mL	-
Immunocytochemistry (ICC/IF)	1 µg/mL	11 Publications
Flow Cytometry (Flow)	-	1 Publication
Immunoprecipitation (IP)	-	1 Publication
ChIP assay (ChIP)	-	6 Publications
Gel Shift (GS)	1 µg/mL	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

PA1-311 detects estrogen receptor (ER) beta from human, non-human primate, mouse, ovine and rat tissues.

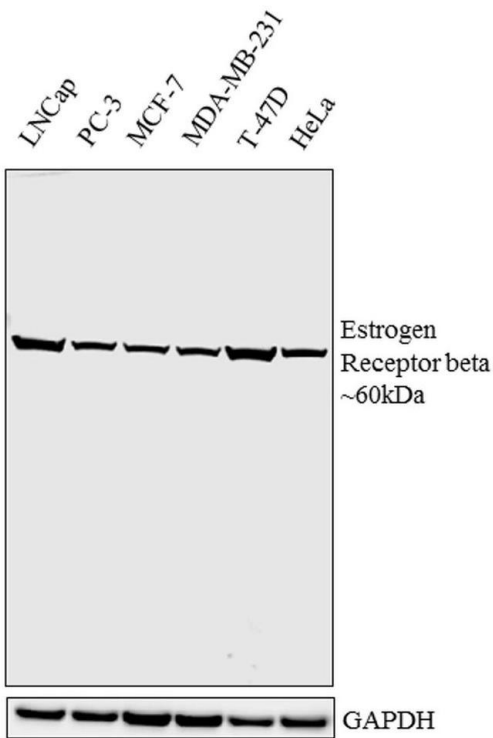
PA1-311 has been successfully used in Western blot, immunocytochemistry and gel shift procedures. By Western blot, this antibody detects an ~55-62 kDa protein representing ER beta from rat brain homogenate. PA1-311 efficiently supershifts rat ER beta/ER response element (vitellogenin xenopus A2 gene).

The PA1-311 immunogen is a synthetic peptide corresponding to residues A(55) E P Q K S P W C E A R S L E H(70) of rat ER beta.

Recombinant ER beta expressed in baculovirus system (Cat. # RP-311 and RP-312) can be purchased for control experiments in Western blot and gel shift assays.

PA1-311 can be used with blocking peptide PEP-011.

Product Images For Estrogen Receptor beta Polyclonal Antibody



Estrogen Receptor beta Antibody (PA1-311) in WB

Western blot analysis was performed on nuclear enriched extracts (30 µg lysate) of LNCap (Lane 1), PC-3 (Lane 2), MCF-7 (Lane 3), MDA-MB-231 (Lane 4), T-47D (Lane 5) and HeLa (Lane 6). The blots were probed with Anti-Rabbit Polyclonal Antibody (Product # PA1-311, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 60 kDa band corresponding to Estrogen Receptor beta was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

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Western Blot (32)

<p>Cell reports</p> <p>AKTIP loss is enriched in ER-positive breast cancer for tumorigenesis and confers endocrine resistance.</p> <p>"Published figure using Estrogen Receptor beta polyclonal antibody (Product # PA1-311) in Western Blot"</p> <p>Authors: Ng ASN,Zhang S,Mak VCY,Zhou Y,Yuen Y,Sharma R,Lu Y,Zhuang G,Zhao W,Pang HH,Cheung LWT</p>	<p>Year 2022</p>
<p>Aging</p> <p>Estrogen regulation of germline stem cell differentiation as a mechanism contributing to female reproductive aging.</p> <p>"Published figure using Estrogen Receptor beta polyclonal antibody (Product # PA1-311) in Western Blot"</p> <p>Authors: Satirapod C,Wang N,MacDonald JA,Sun M,Woods DC,Tilly JL</p>	<p>Year 2020</p> <p>Species Mouse</p> <p>Dilution 1:1000</p>

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Immunohistochemistry (34)

<p>The journal of headache and pain</p> <p>Estrogen receptors , and GPER in the CNS and trigeminal system - molecular and functional aspects.</p> <p>"Published figure using Estrogen Receptor beta polyclonal antibody (Product # PA1-311) in Immunohistochemistry"</p> <p>Authors: Warfvinge K,Krause DN,Maddahi A,Edvinsson JCA,Edvinsson L,Haanes KA</p>	<p>Year 2020</p>
<p>Experimental biology and medicine (Maywood, N.J.)</p> <p>Close pathological correlations between chronic kidney disease and reproductive organ-associated abnormalities in female cotton rats.</p> <p>"PA1-311 was used in Immunohistochemistry to study female associated factors for chronic kidney disease development in cotton rats."</p> <p>Authors: Ichii O,Nakamura T,Irie T,Kouguchi H,Sotozaki K,Horino T,Sunden Y,Elawa YHA,Kon Y</p>	<p>Year 2018</p> <p>Species Rat</p> <p>Dilution 1:10000</p>

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More applications with references on thermofisher.com

IHC (P) (2)	ICC/IF (11)	Flow (1)	IP (1)	ChIP (6)	GS (1)	Misc (1)
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