BOSTER BIOLOGICAL TECHNOLOGY
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Anti-ER alpha ESR1 Rabbit Monoclonal Antibody

Catalog Number: M00057-2

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Overview

Product Name	Anti-ER alpha ESR1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ER alpha ESR1 Rabbit Monoclonal Antibody catalog # M00057-2. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal IE-5
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P03372

Technical Details

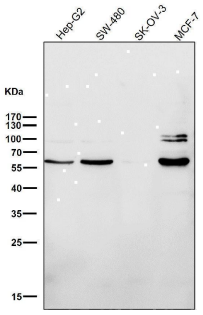
Immunogen	A synthesized peptide derived from human ER alpha
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-1:2000

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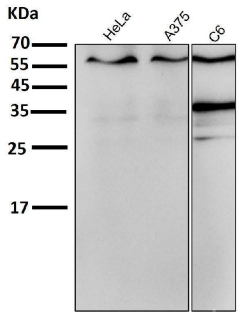
	IHC 1:50-1:100 ICC/IF 1:50-1:100 FC 1:30

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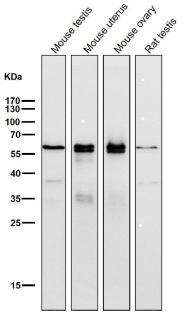
Anti-ER alpha ESR1 Rabbit Monoclonal Antibody (M00057-2) Images



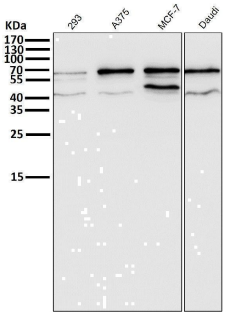
All lanes use the Antibody at 1:500 dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



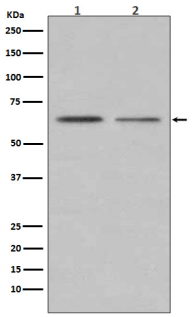
All lanes use the Antibody at 1:500 dilution for 1 hour at room temperature.

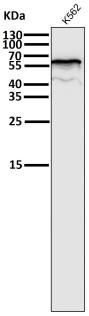


All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

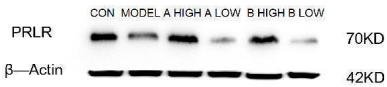
Western blot analysis of ER alpha expression in (1) MCF7 cell lysate; (2)T47-D cell lysate.

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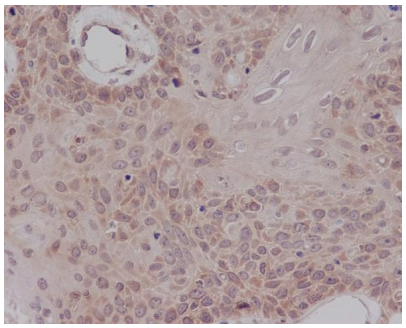
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

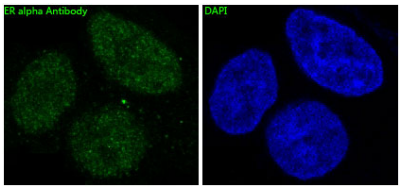


Western blot analysis of ER alpha using anti-ER alpha antibody (M00057-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: control group-mouse brain tissue lysates, Lane 2: model group-model mouse brain tissue lysates, Lane 3: high dose A medicine treated group-model mouse brain tissue lysates, Lane 4: low dose A medicine treated group-model mouse brain tissue lysates, Lane 5: high dose B medicine treated group-model mouse brain tissue lysates, Lane 6: low dose B medicine treated group-model mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ER alpha antigen affinity purified monoclonal antibody (M00057-2) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:2000 for 1 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with ChemiDoc MP system. A specific band was detected for ER alpha at approximately 70 kDa. The expected band size for ER alpha is at 66 kDa.

Immunohistochemical analysis of paraffin-embedded human cervix carcinoma, using ER alpha Antibody.

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Immunofluorescent analysis of MCF7 cells, using ER alpha Antibody .

2 Publications Citing This Product

1. PubMed ID: 12133481, Fas counterattack in cholangiocarcinoma: A mechanism for immune evasion in human hilar cholangiocarcinomas

2. PubMed ID: 25864222, Effects of estradiol on liver estrogen receptor-? and its mRNA expression in hepatic fibrosis in rats

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