

Anti-Phospho-E alpha (S118) ESR1 Antibody

Catalog Number: A00057S118-3

About ESR1

This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. ATP-Binding Cassette Sub-Family B Member 1 (ABCB1, also named P-glycoprotein) is a plasma membrane-associated multidrug transporter that utilizes the energy of ATP hydrolysis to pump toxic xenobiotics out of cells. Unique features of ABCB1 are its very broad substrate specificity and its basal ATPase activity in the absence of transport substrates. Human ABCB1 plays an important role in absorption, distribution, metabolism, excretion and toxicity of pharmacologically relevant drugs. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anti-cancer drugs. This protein also functions as a transporter across the blood-brain barrier.

Overview

Product Name	Anti-Phospho-E alpha (S118) ESR1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Phospho-E alpha (S118) ESR1 Antibody catalog # A00057S118-3. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
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	Synthesized peptide derived from human ERalpha around the phosphorylation site of S118. Sequence: 108-128aa
Predicted Reactive Species	Canine, Monkey
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:500-1:2000</p> <p>IHC 1:100-1:300</p> <p>ELISA 1:20000</p>

Anti-Phospho-E alpha (S118) ESR1 Antibody (A00057S118-3) Images

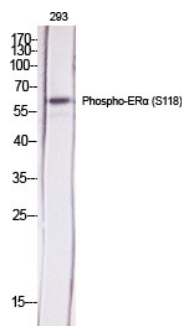


Figure 1. Western blotting validation for Anti-Phospho-E alpha (S118) ESR1 Antibody A00057S118-3

Western Blot (WB) analysis of specific cells using Phospho-ERalpha (S118) polyclonal antibody. Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

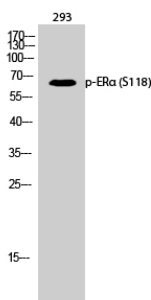


Figure 2. Western blotting validation for Anti-Phospho-E alpha (S118) ESR1 Antibody A00057S118-3

Western Blot (WB) analysis of 293 cells using Phospho-ERalpha (S118) polyclonal antibody. Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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