

DATASHEET

Ezrin/Radixin/Moesin (Phospho-T567/564/558) Rabbit Polyclonal Antibody

CAT. NO. APA09972
KEY FEATURES

Target	Ezrin/Radixin/Moesin (Phospho-T567/564/558)	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Monkey, Pig, Zebrafish	Clonality	Polyclonal
Applications	WB, IHC, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Ezrin-radixin-moesin (ERM) family protein that connects the actin cytoskeleton to the plasma membrane and thereby regulates the structure and function of specific domains of the cell cortex. Tethers actin filaments by oscillating between a resting and an activated state providing transient interactions between moesin and the actin cytoskeleton family protein that connects the actin cytoskeleton to the plasma membrane and thereby regulates the structure and function of specific domains of the cell cortex. Tethers actin filaments by oscillating between a resting and an activated state providing transient interactions between moesin and the actin cytoskeleton .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:200
IF/ICC	1:100 - 1:500

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Ezrin/Radixin/Moesin (Phospho-T567/564/558)
Specificity	Recognizes endogenous levels of Ezrin/Radixin/Moesin protein only when phosphorylated at T567/564/558 .
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T567/564/558 of human Ezrin/Radixin/Moesin protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 67; Observed: 78; 80 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	MSN; Moesin; Membrane-organizing extension spike protein; RDX; Radixin; EZR; VIL2; Ezrin; Cytovillin; Villin-2; p81
Gene Symbol	MSN; RDX; EZR
Entrez Gene	4478; 5962(Human); 17698; 19684; 22350(Mouse); 81521; 54319(Rat)
SwissProt	P26038; P35241; P15311(Human); P26041; P26043; P26040(Mouse); O35763; P31977(Rat)

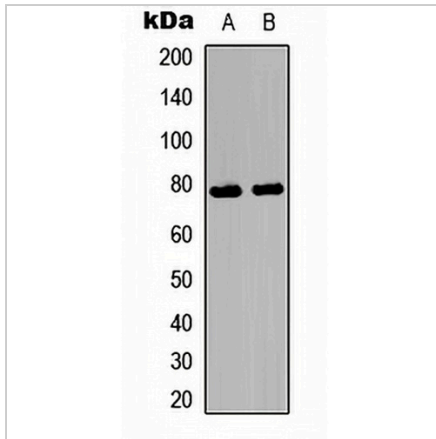
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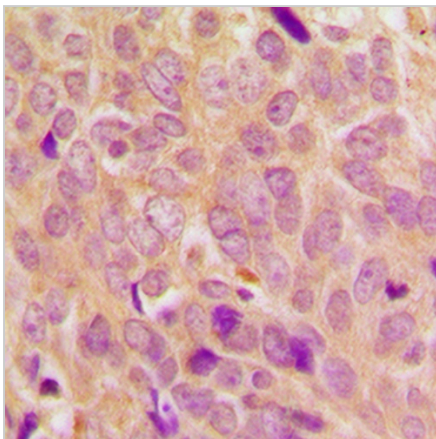
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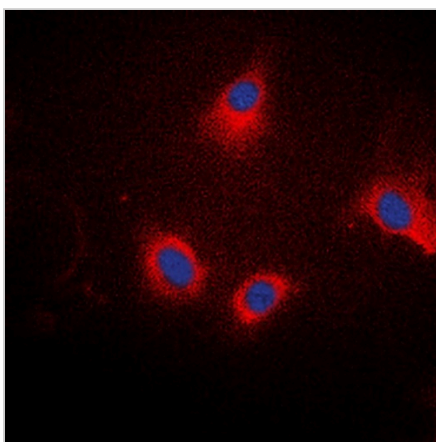
DATA



Western blot analysis of Ezrin/Radixin/Moesin (Phospho-T567/564/558) expression in SKOV3 (A), NIH3T3 (B) whole cell lysates. (Predicted band size: 67; 68; 69 kD; Observed band size: 78; 80 kD)



Immunohistochemical analysis of Ezrin/Radixin/Moesin (Phospho-T567/564/558) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Ezrin/Radixin/Moesin (Phospho-T567/564/558) staining in SKOV3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.