

Anti-CDC42EP1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

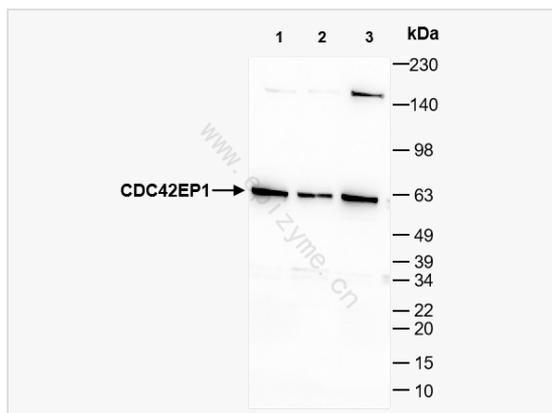
Catalog # R014730

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	70C28R67
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CDC42EP1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CDC42EP1 Rabbit mAb [70C28R67] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	55 kDa bone marrow stromal/endothelial cell protein, Binder of Rho GTPases 5, Bone marrow stromal/endothelial cell protein, 55-KD, BORG 5, BORG5, BORG5_HUMAN, CDC42 effector protein (Rho GTPase binding) 1, Cdc42 effector protein 1, Cdc42ep1, CEP 1, CEP1, MGC15316, MSE 55, MSE55, OTTHUMP00000028709, Serum constituent protein, Serum protein MSE55.
Calculated MW	Calculated MW: 40 kDa; Observed MW: 60 kDa
Uniprot ID	Q00587
Gene ID	11135
Background	Probably involved in the organization of the actin cytoskeleton. Induced membrane extensions in fibroblasts.
Cellular Location	Endomembrane system. Cytoplasm > cytoskeleton.
Tissue Location	Endothelial and bone marrow stromal cells.



Western Blot - Anti-CDC42EP1 Rabbit mAb [70C28R67]

All lanes: R014730 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

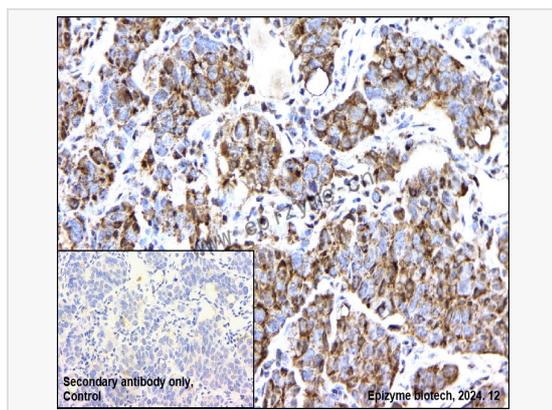
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 40 kDa

Observed band size: 60 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-CDC42EP1 Rabbit mAb [70C28R67]

Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014730 at 1:200 dilution

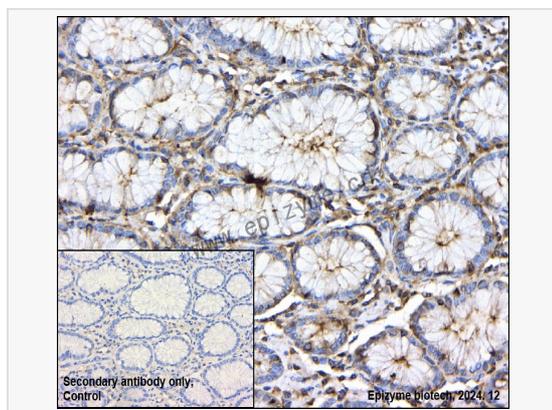
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-CDC42EP1 Rabbit mAb [70C28R67]

Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014730 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.