

EPS8L1 Antibody / EPS8 signaling adaptor L1 Antibody (FY13654)

Catalog No.	Formulation	Size
FY13654	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Buffer	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
UniProt	Q8TE68
Applications	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5 ug/ml
Limitations	This EPS8L1 Antibody / EPS8 signaling adaptor L1 Antibody is intended for research use only.

EPS8L1 Antibody by WB in 3 lysate samples. Western blot analysis using EPS8L1 Antibody was performed with 30 ug of protein per lane under reducing conditions on a 10% SDS-PAGE gel. Lane assignments: 1, human HCT116 whole-cell lysate; 2, human MCF-7 whole-cell lysate; 3, human Caco-2 whole-cell lysate. Following electrophoresis, proteins were transferred to nitrocellulose and blocked with 5% non-fat milk. The membrane was incubated with rabbit primary antibody at 0.5 ug/ml overnight at 4°C and HRP-conjugated goat anti-rabbit IgG secondary antibody (1:5000). ECL detection showed an immunoreactive band near 85 kDa, consistent with the approximately 80 kDa expected size of EPS8L1.

Description

EPS8L1 Antibody / EPS8 signaling adaptor L1 Antibody targets a protein with important roles in cellular biology. EPS8 signaling adaptor L1 (EPS8L1) is a member of the EPS8 family of proteins involved in actin cytoskeleton regulation. Actin filaments support cell shape, adhesion, membrane protrusion and directed movement, and their organization depends on proteins that control filament growth, bundling and turnover. EPS8-family members contain interaction modules that connect actin dynamics with signaling proteins, although their specific activities and tissue distributions are not identical.

EPS8L1 is related to EPS8, a protein known for roles in actin filament regulation and receptor-associated signaling. Shared structural features suggest that EPS8L1 can participate in complexes linking cellular signals to cytoskeletal

rearrangements. However, findings established for EPS8 should not automatically be attributed to EPS8L1 without direct confirmation. Its functions depend on the binding partners present and on the architecture of the actin networks being remodeled.

Reorganization of the actin cytoskeleton is central to epithelial morphogenesis, cell migration and the maintenance of specialized membrane structures. Proteins that connect signaling to actin assembly can affect these processes by changing the distribution and stability of filaments rather than altering actin abundance itself. EPS8L1 has been investigated in the context of these cytoskeletal processes, and defining its molecular partners remains important for distinguishing its contribution from those of related adaptor proteins.

NSJ Bioreagents offers this EPS8L1 Antibody to support research into how EPS8L1-associated protein interactions shape actin organization and cellular morphology. Further work on its regulatory partners and actin-related activities may clarify the distinct roles of EPS8-family proteins in dynamic cell structures.

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Application Notes

Users should optimize the working dilution of the EPS8L1 Antibody / EPS8 signaling adaptor L1 Antibody for their specific experimental setup.

Immunogen

The EPS8L1 Antibody was generated using e. coli-derived human EPS8L1 recombinant protein (amino acids E20-Q616).

Storage

After reconstitution, the EPS8L1 Antibody may be stored at 4°C for up to one month. For longer storage, aliquot and freeze at -20°C for up to six months. Avoid repeated freezing and thawing.

Alternate Names

EPS8L1 antibody, Epidermal growth factor receptor kinase substrate 8-like protein 1 antibody, EPS8 signaling adaptor L1 antibody, DRC3 antibody, Epidermal growth factor receptor pathway substrate 8-related protein 1 antibody, EPS8-like protein 1 antibody, EPS8R1 antibody