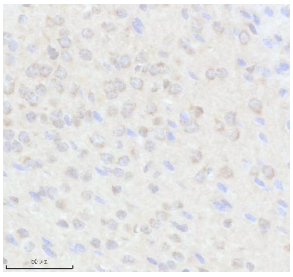
EVI5 Antibody / Ecotropic viral integration site 5 Antibody (FY13582)

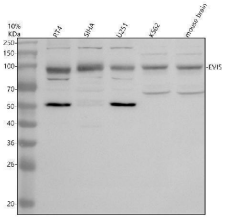
Catalog No.	Formulation	Size
FY13582	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Species Reactivity	Human, Mouse, Rat
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 Na2HPO4.
UniProt	O60447
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml ELISA: 0.1-0.5 ug/ml
Limitations	This EVI5 Antibody / Ecotropic viral integration site 5 Antibody is intended for research use only.



EVI5 Antibody by IHC in mouse brain tissue. Immunohistochemistry of paraffin-embedded mouse brain tissue using Ecotropic viral integration site 5 Antibody shows light brown cytoplasmic and perinuclear staining in scattered brain cells, with variable signal among surrounding cells. Nuclei are counterstained blue with hematoxylin. Sections underwent heat-mediated antigen retrieval in EDTA buffer (pH 8.0), followed by blocking with 10% goat serum. Primary antibody was applied at 2 ug/mL overnight at 4oC, followed by a peroxidase-conjugated secondary antibody and DAB chromogenic detection.



EVI5 Antibody by WB in human cell lines and mouse brain. Western blot analysis using Ecotropic viral integration site 5 Antibody detects a band near 93 kDa in human RT4 (lane 1), SiHa (lane 2), U251 (lane 3), K562 (lane 4), and mouse brain (lane 5). The calculated molecular weight is approximately 93 kDa. Reduced samples containing 30 ug protein per lane were separated by 10% SDS-PAGE and transferred to nitrocellulose. Membranes were blocked with 5% nonfat milk and incubated with primary antibody at 0.5 ug/mL overnight at 4oC. An HRP-conjugated secondary antibody and chemiluminescent substrate were used for detection.

Description

EVI5 Antibody / Ecotropic viral integration site 5 Antibody detects EVI5, a regulator associated with cell-cycle progression and membrane trafficking. EVI5 contains domains implicated in protein interactions and has been linked to regulation of the small GTPase Rab11, which participates in recycling endosome pathways. Rab-family GTPases help direct membrane carriers to appropriate cellular destinations by cycling between nucleotide-bound states. EVI5 has been described as a Rab11 GTPase-activating protein in experimental systems, connecting it with control of vesicle recycling.

Membrane recycling supports the delivery and retrieval of proteins at the cell surface, including receptors and adhesion molecules. This trafficking must be coordinated with cell growth and division. EVI5 also interacts with regulatory networks governing the timing of mitotic entry and has been associated with centrosomal structures. Studies have described EVI5 in relation to the stability of cell-cycle regulators, including components of pathways controlling the G1-to-S transition. The precise consequences of these interactions depend on cellular context, and EVI5 should not be considered a substitute for the core cyclin-dependent kinase machinery. The Ecotropic viral integration site 5 Antibody designation refers to this same protein target.

Genetic association studies have linked variation near EVI5 to susceptibility signals in multiple sclerosis, although an association at a genomic locus does not by itself establish the causal gene or mechanism. EVI5 is also distinct from EVI5L, a related protein with overlapping family features. The combination of trafficking-related and cell-cycle-associated findings makes EVI5 relevant to questions about how intracellular organization is coordinated with proliferation. NSJ Bioreagents includes EVI5 among targets associated with Rab signaling and cellular regulation. An EVI5 Antibody provides a means of examining the molecular functions associated with EVI5.

Explore related research targets in our Cell Biology Antibodies collection.

Application Notes

For best results, determine the optimal working dilution of the EVI5 Antibody / Ecotropic viral integration site 5 Antibody experimentally.

Immunogen

The EVI5 Antibody was generated using e. coli-derived human EVI5 recombinant protein (amino acids N12-V810).

Storage

After reconstitution, the EVI5 Antibody may be stored at 4oC for up to one month. For longer storage, aliquot and freeze at -20oC for up to six months. Avoid repeated freezing and thawing.

Alternate Names

EVI5 antibody, Ecotropic viral integration site 5 protein homolog antibody, ecotropic viral integration site 5 antibody, NB4S antibody, EVI-5 antibody, Neuroblastoma stage 4S gene protein antibody

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