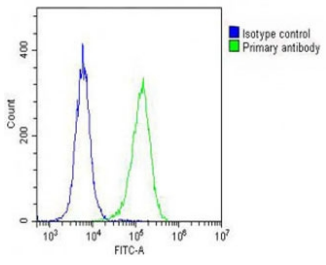
DEPDC5 Antibody / DEP domain-containing protein 5 (F55083)

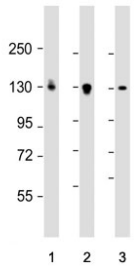
Catalog No.	Formulation	Size
F55083-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55083-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	O75140
Applications	Western blot: 1:1000-1:2000 Flow cytometry: 1:25 per million cells in 0.1ml
Limitations	This DEPDC5 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human HeLa cells with DEPDC5 antibody; Blue=isotype control, Green= DEPDC5 antibody.



Western blot testing of human 1) HL60, 2) KG-1 and 3) U-87 MG cell lysate with DEPDC5 antibody. Predicted molecular weight: 131-188 kDa and ~64 kDa (eight isoforms).

Description

The DEPDC5 gene encodes DEP domain-containing protein 5, a protein which contains a DEP (disheveled, EGL-10, pleckstrin) domain. This domain is known for its involvement in signal transduction and cellular communication, highlighting the importance of DEPDC5 in coordinating crucial cellular processes. DEP domain-containing protein 5 has been implicated in the regulation of cellular signaling pathways, including the mechanistic target of rapamycin complex 1 (mTORC1) pathway. By interacting with key proteins in this pathway, DEPDC5 plays a critical role in maintaining cellular homeostasis and growth. Mutations in the DEPDC5 gene have been linked to various neurological disorders, including familial focal epilepsy.

Application Notes

The stated application concentrations are suggested starting points. Titration of the DEPDC5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1404-1432 from the human protein was used as the immunogen for the DEPDC5 antibody.

Storage

Aliquot the DEPDC5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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