



FIR Polyclonal Antibody

Catalog No	BYab-01711
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IF;ELISA
Gene Name	FARP2
Protein Name	FERM RhoGEF and pleckstrin domain-containing protein 2
Immunogen	The antiserum was produced against synthesized peptide derived from human FIR. AA range:331-380
Specificity	FIR Polyclonal Antibody detects endogenous levels of FIR protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FARP2; KIAA0793; PLEKHC3; FERM; RhoGEF and pleckstrin domain-containing protein 2; FERM domain including RhoGEF; FIR; Pleckstrin homology domain-containing family C member 3; PH domain-containing family C member 3
Observed Band	119kD
Cell Pathway	cytoplasm,cytosol,cytoskeleton,extrinsic component of membrane,
Tissue Specificity	Brain,Testis,
Function	function:Rho-guanine nucleotide exchange factor that activates RAC1. Plays a role in the response to class 3 semaphorins and remodeling of the actin cytoskeleton.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 FERM domain.,similarity:Contains 2 PH domains.,subunit:Interacts with PLXNA1. Interaction with PLXNA1 or PIP5K1C lowers its guanine nucleotide exchange activity. Dissociates from PLXNA1 when SEMA3A binds to the receptor. Interacts with PIP5K1C via its FERM domain. The

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interaction with PIP5K1C is enhanced by SEMA3A binding.,

Background

function:Rho-guanine nucleotide exchange factor that activates RAC1. Plays a role in the response to class 3 semaphorins and remodeling of the actin cytoskeleton.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 FERM domain.,similarity:Contains 2 PH domains.,subunit:Interacts with PLXNA1. Interaction with PLXNA1 or PIP5K1C lowers its guanine nucleotide exchange activity. Dissociates from PLXNA1 when SEMA3A binds to the receptor. Interacts with PIP5K1C via its FERM domain. The interaction with PIP5K1C is enhanced by SEMA3A binding.,

matters needing attention

Avoid repeated freezing and thawing!

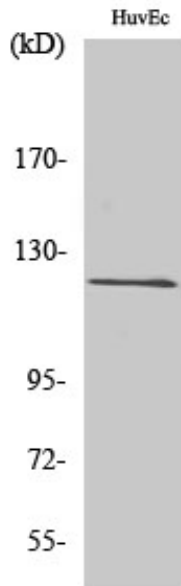
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

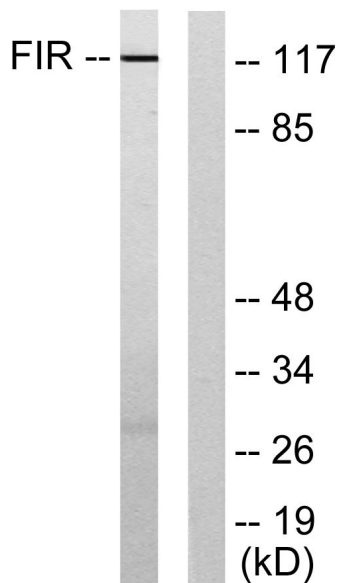
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Products Images



Western Blot analysis of various cells using FIR Polyclonal Antibody



Western blot analysis of lysates from HUVEC cells, using FIR Antibody. The lane on the right is blocked with the synthesized peptide.