

**FIR rabbit pAb****Cat#: orb765221 (Manual)**

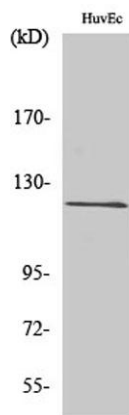
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<b>Product Name</b>	FIR rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human FIR. AA range:331-380
<b>Specificity</b>	FIR Polyclonal Antibody detects endogenous levels of FIR protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	FERM RhoGEF and pleckstrin domain-containing protein 2
<b>Gene Name</b>	FARP2
<b>Cellular localization</b>	cytoplasm,cytosol,cytoskeleton,extrinsic component of membrane,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

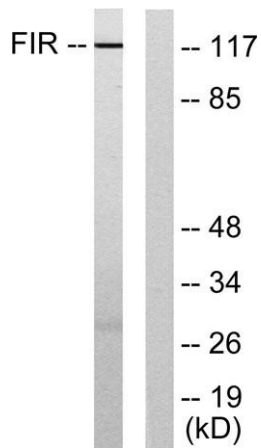
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	119kD
<b>Human Gene ID</b>	9855
<b>Human Swiss-Prot Number</b>	O94887
<b>Alternative Names</b>	FARP2; KIAA0793; PLEKHC3; FERM; RhoGEF and pleckstrin domain-containing protein 2; FERM domain including RhoGEF; FIR; Pleckstrin homology domain-containing family C member 3; PH domain-containing family C member 3

**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.,



**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.**