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Datasheet for ABIN1391399

anti-FARP2 antibody (AA 601-700) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	FARP2
Binding Specificity:	AA 601-700
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FARP2 antibody is conjugated to Alexa Fluor 555
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FARP2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Horse, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	FARP2
Alternative Name:	FARP2 (FARP2 Products)
Background:	Synonyms: FARP 2, FERM, FGD1 related Cdc42 GEF, FIR, FRG, KIAA0793, PLEKHC3, RhoGEF

Target Details

and pleckstrin domain protein 2, FARP2_HUMAN.

Background: FARP2 is a 1,545 amino acid protein that contains one FERM domain, one DH domain and two PH domains. It exists as two alternatively spliced isoforms that are abundantly expressed in brain, lung, and testis as well as in embryonic hippocampal and cortical neurons.

FARP2 functions as a Rho-guanine nucleotide exchange factor that activates RAC1 and is thought to regulate neurite remodeling of embryonic neurons. Sema3A binding to neuropilin-1 induces the dissociation of FARP2 from plexin-A1, thereby activating FARP2's Rac GEF activity which is critical for repulsion of outgrowing axons and suppression of neuronal adhesion.

Downregulation of the FARP2 gene has been implicated in autism.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months