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Datasheet for ABIN2813141

anti-FNBP1 antibody (AA 331-430) (Alexa Fluor 594)

Overview

Quantity:	100 µL
Target:	FNBP1
Binding Specificity:	AA 331-430
Reactivity:	Pufferfish, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FNBP1 antibody is conjugated to Alexa Fluor 594
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FBP17
Isotype:	IgG
Cross-Reactivity:	Pufferfish, Xenopus laevis
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Horse, Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	FNBP1
Alternative Name:	FBP17 (FNBP1 Products)

Target Details

Background:	<p>Synonyms: FBP1, FBP17, FNBP1, FNBP1_HUMAN, Formin binding protein 1, Formin binding protein 17, Formin-binding protein 1, Formin-binding protein 17, hFBP17, KIAA0554, MGC126804.</p> <p>Background: FNBP1 is a 617 amino acid protein that localizes to a variety of locations within the cell, including the cytoplasm, cytoskeleton, lysosome and the cell cortex, and contains one FCH domain, one REM repeat and one SH3 domain. Expressed at high levels in respiratory, reproductive and urinary systems, as well as in brown adipose tissue and epithelial cells of the gastrointestinal tract, FNBP1 interacts with Rho 7 and links the Actin cytoskeleton with Rho 7 signaling, playing a crucial role in membrane tubulation and cytoskeletal reorganization during endocytosis. Additionally, FNBP1, which exists as four alternatively spliced isoforms, enhances Actin polymerization and promotes membrane invagination and the formation of tubules.</p> <p>Chromosomal aberrations in the FNBP1 gene are associated with acute leukemias, suggesting a role for defective FNBP1 in carcinogenesis.</p>
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Gene ID:	23048
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Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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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