

Datasheet for ABIN2784494
anti-FZR1 antibody (N-Term)

5 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	FZR1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FZR1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human FZR1
Sequence:	SSPVSSPSKH GDRFIPSRAG ANWSVNFHRI NENEKSPSQN RKAKDATSDN
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against FZR1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	FZR1
Alternative Name:	FZR1 (FZR1 Products)

Target Details

Background:	<p>FZR1 is a key regulator of ligase activity of the anaphase promoting complex/cyclosome (APC/C), which confers substrate specificity upon the complex. FZR1 associates with the APC/C in late mitosis, in replacement of CDC20, and activates the APC/C during anaphase and telophase. The APC/C remains active in degrading substrates to ensure that positive regulators of the cell cycle do not accumulate prematurely. At the G1/S transition FZR1 is phosphorylated, leading to its dissociation from the APC/C. Following DNA damage, it is required for the G2 DNA damage checkpoint: its dephosphorylation and reassociation with the APC/C leads to the ubiquitination of PLK1, preventing entry into mitosis.</p> <p>Alias Symbols: CDC20C, CDH1, FZR, FZR2, HCDH, HCDH1, KIAA1242</p> <p>Protein Interaction Partner: ZC3HC1, CDC25A, CCNB1, UBE2S, UBE2C, PTTG1, UBE2D2, TP53, CDR2, UBE2K, ANAPC4, PDS1, STAU1, CDK2, CDC27, RACGAP1, FOXM1, HECW2, PHF8, BTRC, CCNA1, UBC, SOX2, SKP2, PLK1, CUL1, CUEDC2, CDC20, kif22, SIRT2, CLSPN, ANAPC11, CDC14B, VHL, PTEN, EYA1, DAXX, BUB</p> <p>Protein Size: 493</p>
Molecular Weight:	55 kDa
Gene ID:	51343
NCBI Accession:	NM_016263 , NP_057347
UniProt:	Q9UM11
Pathways:	DNA Replication , Synthesis of DNA

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 493 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

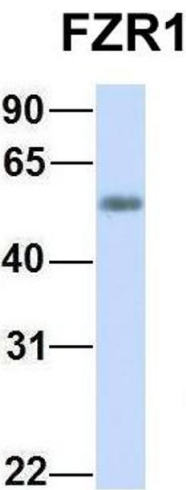
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

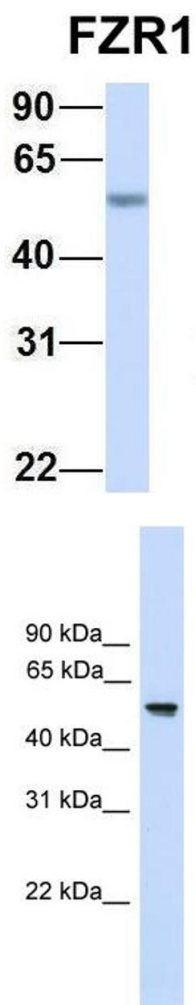
Product cited in:	Guha, Bandyopadhyaya, Polumuri, Chumsri, Gade, Kalvakolanu, Ahmed et al.: "Nicotine promotes apoptosis resistance of breast cancer cells and enrichment of side population cells with cancer stem cell-like properties via a signaling cascade involving galectin-3, $\alpha 9$ nicotinic ..." in: Breast cancer research and treatment , Vol. 145, Issue 1, pp. 5-22, (2014) (PubMed).
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Images



Western Blotting

Image 1. Host: Rabbit Target Name: FZR1 Sample Type: Human Fetal Heart Antibody Dilution: 1.0ug/ml



Western Blotting

Image 2. Host: Rabbit Target Name: FZR1 Sample Type: Human Fetal Lung Antibody Dilution: 1.0ug/ml

Western Blotting

Image 3. WB Suggested Anti-FZR1 Antibody Titration: 0.2-1 ug/ml Positive Control: 721_B cell lysate FZR1 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2784494.