

Datasheet for ABIN2782385
anti-POFUT2 antibody (N-Term)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	POFUT2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Zebrafish (Danio rerio), Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POFUT2 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 POFUT2
Sequence:	GAASRRRYLL YDVPNPEGFN LRRDVYIRIA SLLKTLLKTE EWVLVLPWGW
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 POFUT2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	POFUT2
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Target Details

Alternative Name:	POFUT2 (POFUT2 Products)
Background:	<p>POFUT2 catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue in thrombospondin type 1 repeats. Fucose is typically found as a terminal modification of branched chain glycoconjugates, but it also exists in direct O-linkage to serine or threonine residues within cystine knot motifs in epidermal growth factor (EGF, MIM 131530)-like repeats or thrombospondin (THBS, see MIM 188060) type-1 repeats. POFUT2 is an O-fucosyltransferase that use THBS type-1 repeats as substrates (Luo et al., 2006 [PubMed 16464857]).[supplied by OMIM].</p> <p>Alias Symbols: C21orf80, FUT13</p> <p>Protein Interaction Partner: USP22,</p> <p>Protein Size: 429</p>
Molecular Weight:	50 kDa
Gene ID:	23275
NCBI Accession:	NM_133635 , NP_598368
UniProt:	Q9Y2G5

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 429 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
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.

Handling

Storage: -20 °C

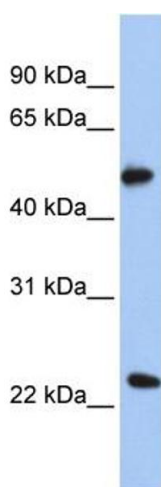
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Rayegan, Dehpour, Sharifi: "Studying neuroprotective effect of Atorvastatin as a small molecule drug on high glucose-induced neurotoxicity in undifferentiated PC12 cells: role of NADPH oxidase." in: **Metabolic brain disease**, Vol. 32, Issue 1, pp. 41-49, (2016) ([PubMed](#)).

Kuwano, Kawahara, Yamamoto, Teshima-Kondo, Tominaga, Masuda, Kishi, Morita, Rokutan: "Interferon-gamma activates transcription of NADPH oxidase 1 gene and upregulates production of superoxide anion by human large intestinal epithelial cells." in: **American journal of physiology. Cell physiology**, Vol. 290, Issue 2, pp. C433-43, (2006) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-POFUT2 Antibody Titration:
0.2-1 ug/ml Positive Control: Transfected 293T