

Datasheet for ABIN7153729
anti-POFUT2 antibody (AA 125-271)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	POFUT2
Binding Specificity:	AA 125-271
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POFUT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human GDP-fucose protein O-fucosyltransferase 2 protein (125-271AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	POFUT2
Alternative Name:	POFUT2 (POFUT2 Products)
Background:	Background: Catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue in the consensus sequence C1-X(2,3)-S/T-C2-X(2)-G of

Target Details

thrombospondin type 1 repeats where C1 and C2 are the first and second cysteines, respectively. O-fucosylates members of several protein families including the ADAMTS family, the thrombosporin (TSP) and spondin families. The O-fucosylation of TSRs is also required for restricting epithelial to mesenchymal transition (EMT), maintaining the correct patterning of mesoderm and localization of the definite endoderm (By similarity). Required for the proper secretion of ADAMTS family members such as ADAMSL1 and ADAMST13.

Aliases: POFUT2 antibody, C21orf80 antibody, FUT13 antibody, KIAA0958 antibody, GDP-fucose protein O-fucosyltransferase 2 antibody, EC 2.4.1.221 antibody, Peptide-O-fucosyltransferase 2 antibody, O-FucT-2 antibody

UniProt: [Q9Y2G5](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

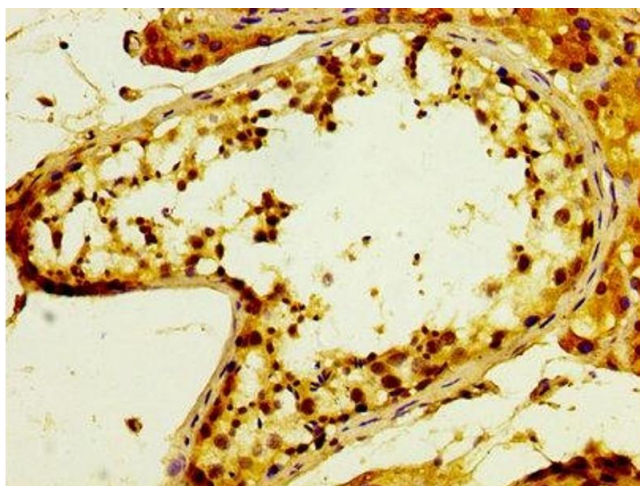
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

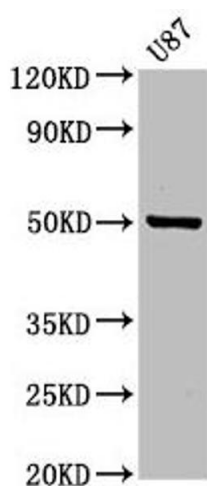
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



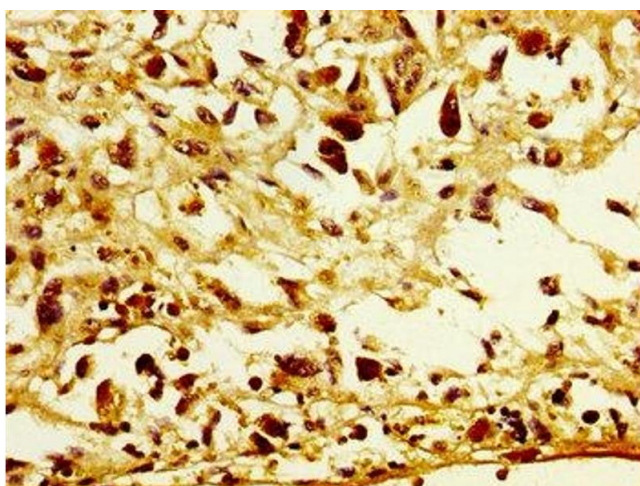
Immunohistochemistry

Image 1. IHC image of ABIN7153729 diluted at 1:300 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: U87 whole cell lysate All lanes: POFUT2 antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 50, 49, 45 kDa Observed band size: 50 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7153729 diluted at 1:300 and staining in paraffin-embedded human melanoma performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.