

FUT2 Polyclonal antibody

Catalog Number: 20288-1-AP

Basic Information

Catalog Number:

20288-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14047

GenBank Accession Number:

BC001899

GeneID (NCBI):

2524

UNIPROT ID:

Q10981

Full Name:

fucosyltransferase 2 (secretor status included)

Calculated MW:

343 aa, 39 kDa

Observed MW:

35-39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, Calu-3 cells

Background Information

Fucosyltransferase 2 (FUT2) is a key enzyme that catalyzes the transfer of fucose to the terminal galactose of type 1 or type 2 disaccharide via α 1,2-linkage. FUT2 gene codes for the alpha(1,2)fucosyltransferase responsible for the synthesis of the H antigen, which is the precursor of the ABO histo-blood group antigens in body fluids and on the intestinal mucosa (PMID: 19487333). FUT2 is highly expressed in lung adenocarcinoma (LUAD) and plays a vital role in the tumorigenesis of LUAD (PMID: 36552800). FUT2 has a calculated molecular mass of ~39 kDa, and the 70kDa band might be the glycosylated form.

Storage

Storage:

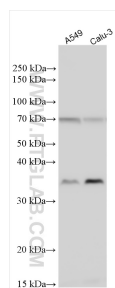
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20288-1-AP (FUT2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.