À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-FUT4

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:19497-1-AP Phare 22 Publications

Informations de base

Numéro de catalogue:
19497-1-AP

Taille:
150ul , Concentration: 600 μg/ml by Nanodrop and 300 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
NM_002033

Identification du gène (NCBI):
2526

Nom complet:
fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)

MW calculé
59 kDa

MW observés:
95-140 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500

Applications

Applications testées:
FC, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HepG2, cellules HL-60, cellules Jurkat

IP : cellules HeLa,

IHC : tissu de cancer du poumon humain, tissu de cancer de la peau humain, tissu de gliome humain

Informations générales

FUT4, also named as ELFT and FCT3A, belongs to the glycosyltransferase 10 family. FUT4 may catalyze alpha-1,3 glycosidic linkages involved in the expression of Lewis X/SSEA-1 and VIM-2 antigens. The expression of CD15 (acts as a terminal glycotope in glycoproteins and glycolipids) is directed by FUT4 in promyelocytes and monocytes. FUT4 is an antigenic epitope defined as a Lewis X carbohydrate structure is expressed on murine embryonal carcinoma cells (EC), murine ES and iPS cells, and murine and human germ cells. It is widely used as a positive surface marker for mouse undifferentiated ES and iPS cells and a negative surface marker for human undifferentiated ES and iPS cells. Expression is down-regulated following differentiation of murine EC and ES cells, while the differentiation of human EC and ES cells is accompanied by an increase in FUT4 expression. FUT4 is associated with cell adhesion, migration and differentiation. 19497-1-AP antibody detects the glycosylated isoform proteins around 95-140 kDa in SDS-PAGE. (PMID: 28706275, 28914881, 11278338)

Publications notables

Autrice	Pubmed ID	Journal	Application
Faisal Aziz	26427350	Toxicol In Vitro	WB, IF
Qin Zheng	28914881	Cell Death Differ	WB,IF
Chaoyue Zhong	36139441	Cells	WB

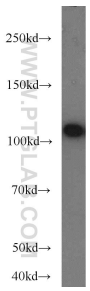
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

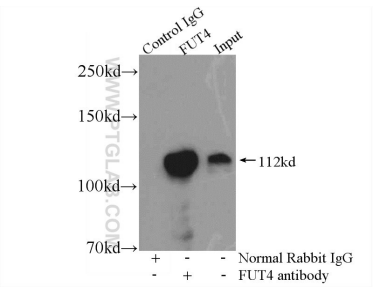
*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

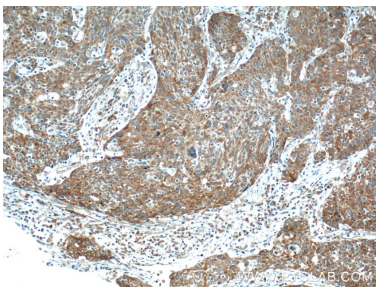
Données de validation sélectionnées



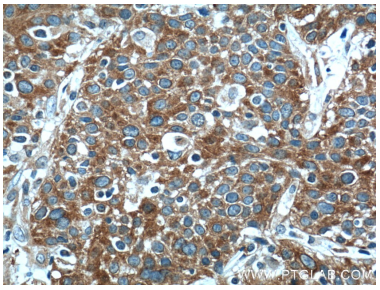
HeLa cells were subjected to SDS PAGE followed by western blot with 19497-1-AP (FUT4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



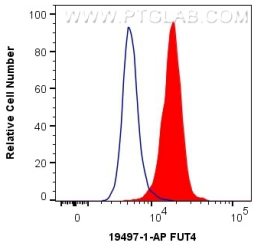
IP Result of anti-FUT4 (IP:19497-1-AP, 4ug; Detection:19497-1-AP 1:500) with HeLa cells lysate 2480ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19497-1-AP (FUT4 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19497-1-AP (FUT4 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 A375 cells were intracellularly stained with 0.5 ug Anti-Human FUT4 (19497-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).