À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-FUT4

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:22141-1-AP

Informations de base

Numéro de catalogue:
22141-1-AP

Taille:
150ul , Concentration: 700 μg/ml by Nanodrop and 460 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG17565

Numéro d'acquisition GenBank:
BC136374

Identification du gène (NCBI):
2526

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

MW calculé
530 aa, 59 kDa

MW observés:
45 kDa, 63 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:200-1:1000
IHC 1:20-1:200
IF 1:20-1:200

Applications

Applications testées:
IF, IHC, WB, ELISA

Spécificité de l'espèce:
Humain

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 Jurkat, cellules A431

IHC : tissu de cancer du sein humain, tissu de cancer du poumon humain

IF : cellules A431,

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. 22141-1-AP detects the band around 45 kDa and glycosylated isoform 63 kDa protein in SDS-PAGE. (PMID: 22287018, 17335083, 11278338)

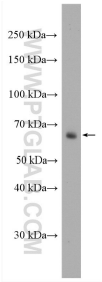
Stockage

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

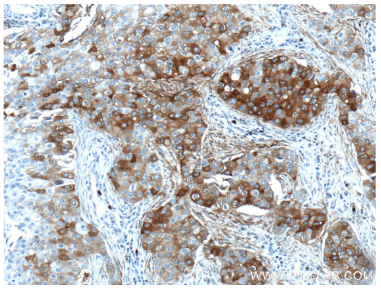
***** Les 20ul contiennent 0,1% de BSA.**

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

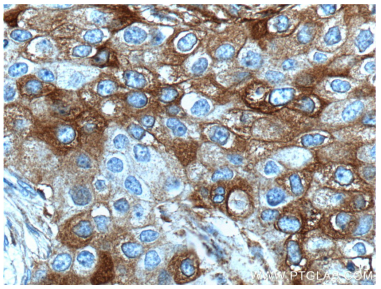
Données de validation sélectionnées



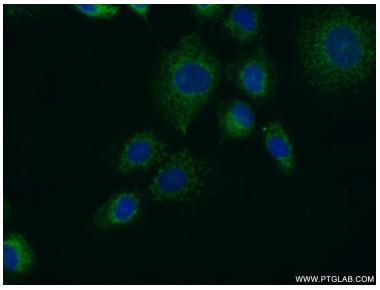
Jurkat cells were subjected to SDS PAGE followed by western blot with 22141-1-AP (FUT4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22141-1-AP (FUT4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22141-1-AP (FUT4 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using 22141-1-AP (FUT4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).