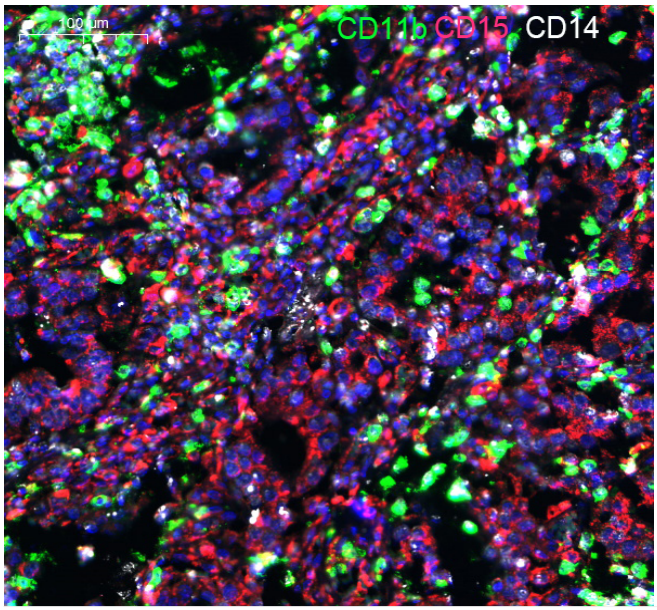
CD15 Polyclonal Antibody

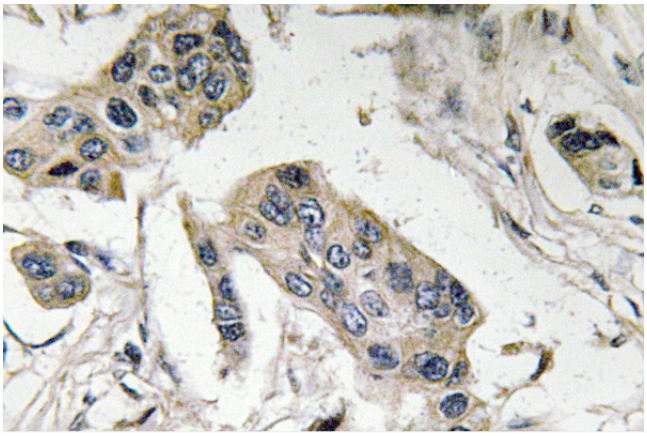
Catalog No	BYab-20073
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;mult-IHC;ELISA
Gene Name	FUT4
Protein Name	Alpha-(1,3)-fucosyltransferase
Immunogen	The antiserum was produced against synthesized peptide derived from human FucT-IV. AA range:22-71
Specificity	CD15 Polyclonal Antibody detects endogenous levels of CD15 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FUT4; ELFT; FCT3A; Alpha-(1; 3)-fucosyltransferase; ELAM-1 ligand fucosyltransferase; Fucosyltransferase 4; Fucosyltransferase IV; Fuc-TIV; FucT-IV; Galactoside 3-L-fucosyltransferase
Observed Band	
Cell Pathway	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Membrane-bound form in trans cisternae of Golgi.
Tissue Specificity	[Isoform Short]: Expressed at low levels in bone marrow-derived mesenchymal stem cells. ; Expressed in cord blood immature promyelocytes and in peripheral blood myeloid and lymphoid cell populations.
Function	caution:It is uncertain whether Met-1 or Met-126 is the initiator.,function:May catalyze alpha-1,3 glycosidic linkages involved in the expression of Lewis X/SSEA-1 and VIM-2 antigens.,online information:Fucosyltransferase 4,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 10 family.,subcellular location:Membrane-bound form in trans cisternae of Golgi.,

Background	The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). [provided by RefSeq, Jan 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Fluorescence multiplex immunohistochemical analysis of normal human gastric cancer tissue (formalin-fixed paraffin-embedded section).The section was incubated in 3 rounds of staining; in the order of CD15 YT0726 (1/50 dilution), CD11b YT5923 (1/50 dilution), CD14 YM6145 (1/50 dilution),each using a separate fluorescent tyramide signal amplification system.Sodium citrate antigen retrieval (Immunoway YS0002, 30 minutes) was used in between rounds of tyramide signal amplification to remove the antibody from the previous round, to avoid any cross-reactivity.DAPI (dark blue) was used as a nuclear counter stain.



Immunohistochemistry analysis of FucT-IV antibody in paraffin-embedded human breast carcinoma tissue.