



CD164 Polyclonal Antibody

Catalog No	YP-Ab-13883
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	CD164
Immunogen	Synthesized peptide derived from CD164 . at AA range: 110-190
Specificity	CD164 Polyclonal Antibody detects endogenous levels of CD164 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: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD164;CD164 molecule;sialomucin;endolyn;MUC 24;Sialomucin core protein 24;MUC-24;Multi-glycosylated core protein 24;MGC-24;MGC-24v;CD antigen CD164
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Lysosome membrane ; Single-pass type I membrane protein . Endosome membrane ; Single-pass type I membrane protein . Cell membrane ; Single-pass type I membrane protein .; [Isoform 2]: Secreted .
Tissue Specificity	Isoform 1 and isoform 3 are expressed in hematopoietic and non-hematopoietic tissues. Isoform 1 is expressed by prostate cancer tumors and prostate cancer cell lines. The expression is greater in bone metastases than in primary tumors. Expression in osseous metastasis is greater than that in soft tissue metastasis. Isoform 2 is expressed in the small intestine, colon, lung, thyroid and in colorectal and pancreatic adenocarcinoma. Isoform 4 is expressed by both hematopoietic progenitor cells and bone marrow stromal cells.
Function	function:This is a carcinoma-associated protein, probably a mucin.,PTM:Highly N- and O-glycosylated; contains sialic acid.,PTM:The motif Ser-Gly may serve as the site of attachment of a glycosaminoglycan side chain.,similarity:Belongs



to the CD164 family.,tissue specificity:Small intestine, colon, lung, thyroid and in colorectal and pancreatic adenocarcinoma.,

Background

Sialomucins are a heterogeneous group of secreted or membrane-associated mucins that appear to play 2 key but opposing roles in vivo: first as cytoprotective or antiadhesive agents, and second as adhesion receptors. CD164 is a type I integral transmembrane sialomucin that functions as an adhesion receptor (Watt et al., 1998 [PubMed 9680353]; Forde et al., 2007 [PubMed 17077324]).[supplied by OMIM, Aug 2008],

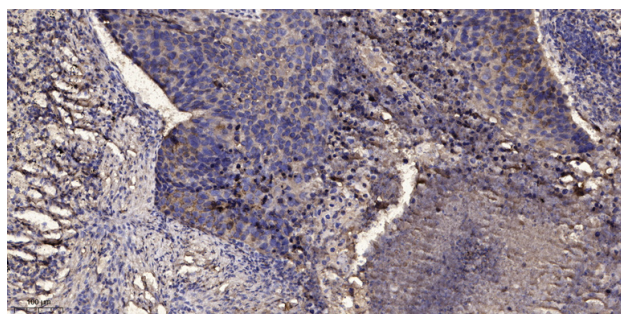
matters needing attention

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



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).