Best Tools for immunology Research

CD164 Polyclonal Antibody

Catalog No :	YT0730
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	CD164
Fields :	>>Lysosome
Gene Name :	CD164
Protein Name :	Sialomucin core protein 24
Human Gene Id :	8763
Human Swiss Prot No :	Q04900
Mouse Gene Id :	53599
Mouse Swiss Prot No :	Q9R0L9
Rat Gene Id :	83689
Rat Swiss Prot No :	Q9QX82
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
Dilution :	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 20kD

Cell Pathway : Lysosome;

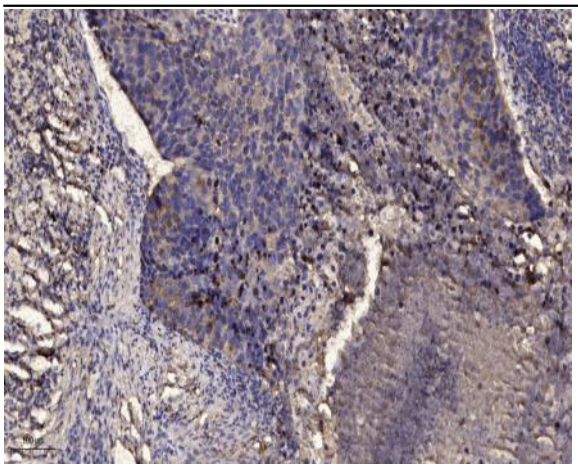
Background : Sialomucins are a heterogeneous group of secreted or membrane-associated mucins that appear to play 2 key but opposing roles in vivo: first as cytoprotective or antiadhesive agents, and second as adhesion receptors. CD164 is a type I integral transmembrane sialomucin that functions as an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

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.,

Subcellular Location : 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 .

Expression : 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.

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).