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CD164 Polyclonal Antibody

Catalog # ABV11973

Product Information

Application	IHC, E
Primary Accession	Q04900
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	20917

Additional Information

Gene ID	8763
Application & Usage	E 1:5000-1:20000; IHC 1:100-1:300
Other Names	Sialomucin core protein 24, MUC-24, Endolyn, Multi-glycosylated core protein 24, MGC-24, MGC-24v, CD164
Target/Specificity	CD164
Antibody Form	Liquid
Appearance	Colorless liquid
Handling	The antibody solution should be gently mixed before use
Reconstitution & Storage	-20°C
Background Descriptions	
Precautions	CD164 Polyclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CD164
Function	Sialomucin that may play a key role in hematopoiesis by facilitating the adhesion of CD34(+) cells to the stroma and by negatively regulating CD34(+)CD38(lo/-) cell proliferation. Modulates the migration of umbilical cord blood CD133+ cells and this is mediated through the CXCL12/CXCR4 axis. May play an important role in prostate cancer metastasis and the infiltration of bone marrow by cancer cells. Promotes myogenesis by enhancing CXCR4-dependent cell motility. Positively regulates myoblast migration and promotes myoblast fusion into myotubes (By similarity).
Cellular 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
Tissue Location	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