

CD320 Polyclonal Antibody

Catalog number: 10343-1-AP

Size: 32 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

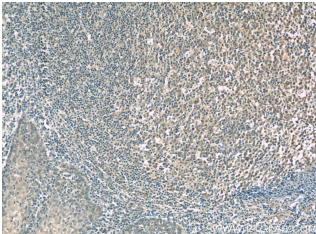
CD320; 8D6, 8D6 antigen, 8D6A,

CD320, CD320 antigen, CD320

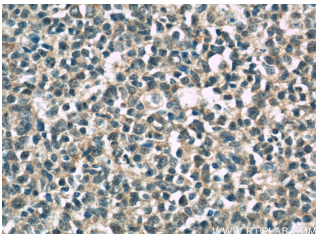
molecule, FDC signaling

molecule 8D6, FDC SM 8D6,

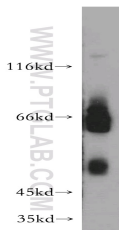
TCbLR, Transcobalamin receptor



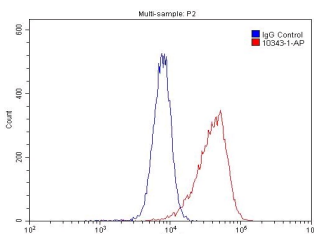
Immunohistochemical of paraffin-embedded human tonsillitis using 10343-1-AP (CD320 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human tonsillitis using 10343-1-AP (CD320 antibody) at dilution of 1:50 (under 40x lens)



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10343-1-AP (CD320 antibody) at dilution of 1:500



Background

CD320, also known as 8D6, 8D6A or TCbLR, is a single-pass type I membrane protein containing 2 LDL-receptor class A domains. Expressed abundantly on follicular dendritic cells (FDCs), CD320 has been shown to enhance proliferation of germinal center (GC) B cells. It is the receptor for cellular uptake of transcobalamin-bound cobalamin. Defects in CD320 are the cause of methylmalonic aciduria type TCbLR (MMATC). CD320 has a calculated molecular mass of 29kDa. The 58kDa size by SDS-PAGE suggests extensive glycosylation of the membrane-anchored protein.

Applications

Tested applications:	ELISA, WB, IHC, FC
Cited applications:	IHC
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Canine, feline, human
Calculated CD320 MW:	29 kDa
Observed CD320 MW:	50-55 kDa
Positive WB detected in	HEK-293 cells, HL-60 cells, human liver tissue, mouse heart tissue, Raji cells
Positive IHC detected in	Human tonsillitis tissue
Positive FC detected in	HL-60 cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0344
GenBank accession number:	BC000668
Gene ID (NCBI):	51293
Full name:	CD320 molecule

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

1X10⁶ HL-60 cells were stained with 0.2ug CD320 antibody (10343-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.