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COLEC11 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6840a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9BWP8
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19578
Calculated MW	28665
Antigen Region	50-78

Additional Information

Gene ID	78989
Other Names	Collectin-11, Collectin kidney protein 1, CL-K1, COLEC11
Target/Specificity	This COLEC11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-78 amino acids from the N-terminal region of human COLEC11.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	COLEC11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	COLEC11
Function	Lectin that plays a role in innate immunity, apoptosis and embryogenesis (PubMed:21258343, PubMed:23954398, PubMed:25912189). Calcium-dependent lectin that binds self and non-self glycoproteins

	presenting high mannose oligosaccharides with at least one terminal alpha-1,2-linked mannose epitope (PubMed:25912189). Primarily recognizes the terminal disaccharide of the glycan (PubMed:25912189). Also recognizes a subset of fucosylated glycans and lipopolysaccharides (PubMed:17179669, PubMed:25912189). Plays a role in innate immunity through its ability to bind non-self sugars presented by microorganisms and to activate the complement through the recruitment of MAPS1 (PubMed:20956340, PubMed:25912189). Also plays a role in apoptosis through its ability to bind in a calcium-independent manner the DNA present at the surface of apoptotic cells and to activate the complement in response to this binding (Probable). Finally, plays a role in development, probably serving as a guidance cue during the migration of neural crest cells and other cell types during embryogenesis (PubMed:21258343, PubMed:28301481).
Cellular Location	Secreted.
Tissue Location	Ubiquitous (PubMed:17179669). Detected in adrenal gland, kidney, liver, ovaries and testis (at protein level) (PubMed:20956340).

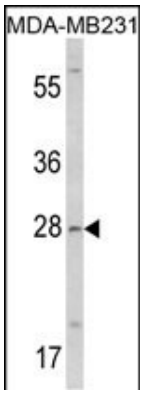
Background

COLEC11 is a member of the collectin family of C-type lectins, which contain a collagen-like domain and a carbohydrate recognition domain, and play a role in host-defense

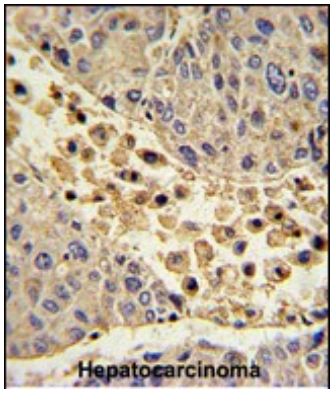
References

Oguri,M., et.al., Am. J. Hypertens. (2009)

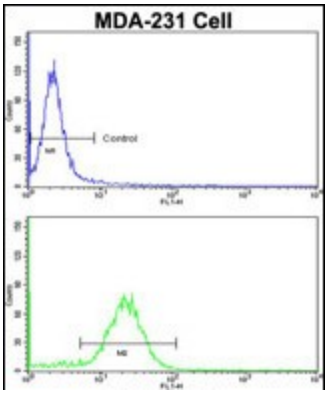
Images



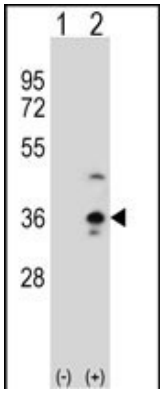
Western blot analysis of COLEC11 Antibody (N-term) (Cat. #AP6840a) in MDA-MB231 cell line lysates (35ug/lane). COLEC11 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma with COLEC11 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of MDA-231 cells using COLEC11 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western blot analysis of COLEC11 (arrow) using rabbit polyclonal COLEC11 Antibody (N-term) (Cat. #AP6840a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the COLEC11 gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.