

CD44 Polyclonal Antibody

Catalog NumberPA5-29591

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 113 and 374 of Human CD44	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.55 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

PA5-29591 targets CD44 in IHC (P) and WB applications and shows reactivity with Human samples. The PA5-29591 immunogen is recombinant fragment corresponding to a region within amino acids 113 and 374 of Human CD44.

Background/Target Information

CD44 cell surface antigen is a 100 kDa type 1 transmembrane glycoprotein widely expressed on human leucocytes, white matter of the brain and by some epithelial cells of the intestine and breast. Several isoforms of CD44 exist, including the predominant CD44H isoform detected in many normal tissues. CD44 is a receptor for hyaluronic acid (HA) and is involved in cell-cell interactions, cell adhesion and migration. CD44 also participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing. CD44 expression may be up-regulated upon some carcinomas, and it has been speculated that this may be related to metastatic potential. CD44 is expressed by hematopoietic, non-hematopoietic cells, epithelial tissues, and to filopodia in cultured keratinocytes. Further, bone marrow myeloid cells and memory T cells express CD44 at high levels, and peripheral B and T cells can upregulate the expression of CD44 in response to certain stimulatory events. Transcripts for the CD44 gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full-length nature of some of these variants have not been determined. Alternative splicing is the basis for the structural and functional diversity of the CD44 protein. Diseases associated with CD44 dysfunction include superficial keratitis and lichen sclerosus. CD44 also may be related to tumor metastasis formation.

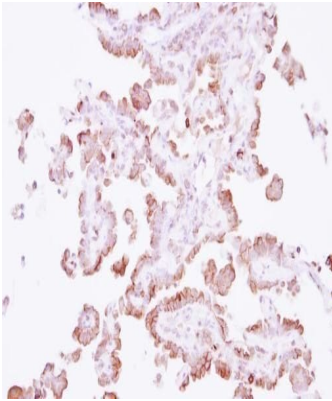
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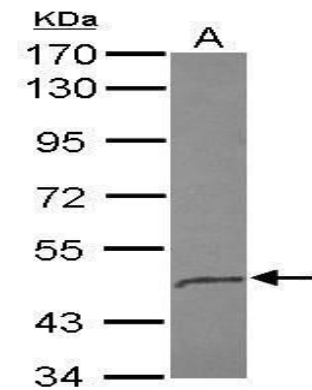
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Product Images For CD44 Polyclonal Antibody



**CD44 Antibody (PA5-29591) in IHC (P)**  
Immunohistochemical analysis of CD44/H-CAM in paraffin-embedded human lung adenocarcinoma using a CD44/H-CAM polyclonal antibody (Product # PA5-29591) at a dilution of 1:250.



**CD44 Antibody (PA5-29591) in WB**  
Western blot analysis of CD44/H-CAM using 30µg of HeLa lysate. Samples were loaded onto a 7.5% SDS-PAGE gel and probed with a CD44/H-CAM polyclonal antibody (Product # PA5-29591) at a dilution of 1:1000.

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