

Product Name: CD34 Rabbit Polyclonal Antibody
Catalog #: APRab08373



Summary

Production Name	CD34 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CD34
Alternative Names	CD34; Hematopoietic progenitor cell antigen CD34; CD antigen CD34
Gene ID	947.0
SwissProt ID	P28906.The antiserum was produced against synthesized peptide derived from human CD34. AA range:208-257

Application

Dilution Ratio	WB 1:500-2000, IHC-P 1:100-500, IF-P/IF-F/ICC/IF/ICC 1:100-500, ELISA 1:5000-20000
Molecular Weight	110kDa

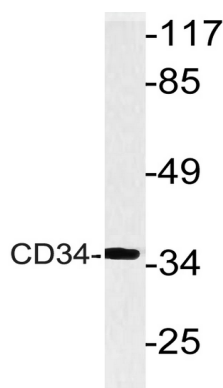
Background

The protein encoded by this gene may play a role in the attachment of stem cells to the bone marrow extracellular matrix or to stromal cells. This single-pass membrane protein is highly glycosylated and phosphorylated by protein kinase C. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011], alternative products: Both isoforms are expressed on the cell surface. CD34-T/CD34-F ratio increases with cell differentiation, developmental stage: On early hematopoietic progenitor cells, disease: Abnormal CD34 expression in leukemogenesis, function: Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins, online information: CD34 entry, PTM: Highly glycosylated, PTM: Phosphorylated on serine residues by PKC, similarity: Belongs to the CD34 family, tissue specificity: Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues,

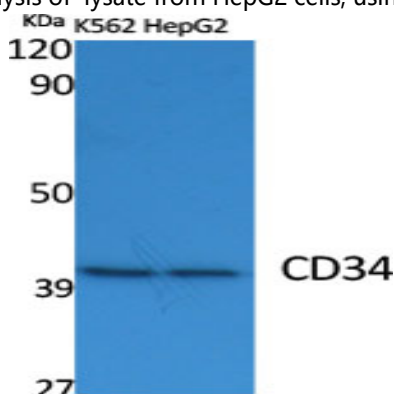
Research Area

Cell adhesion molecules (CAMs); Hematopoietic cell lineage;

Image Data

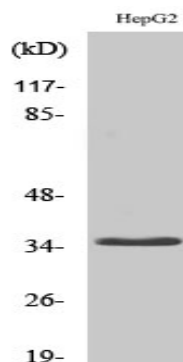


Western blot analysis of lysate from HepG2 cells, using CD34 antibody.

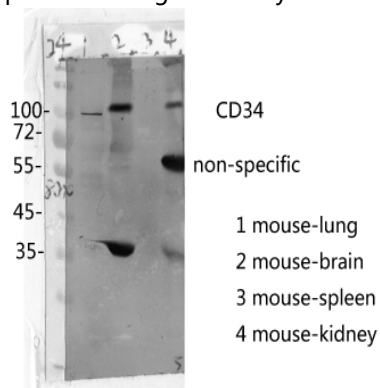


Western Blot analysis of various cells using CD34 Polyclonal Antibody diluted at 1: 2000

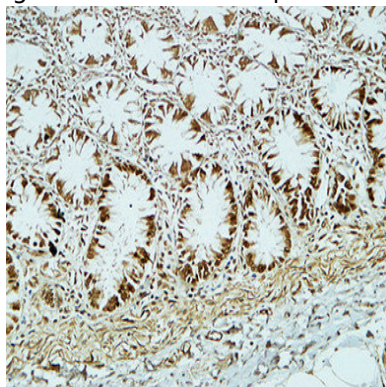
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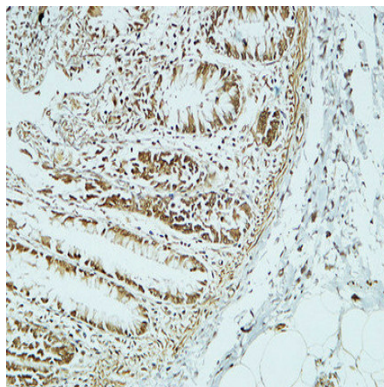
Western Blot analysis of HepG2 cells using CD34 Polyclonal Antibody diluted at 1: 2000



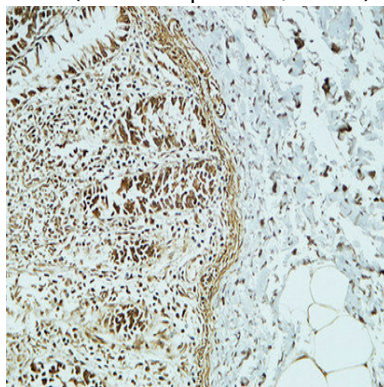
mouse-lung mouse-brain mouse-spleen mouse-kidney



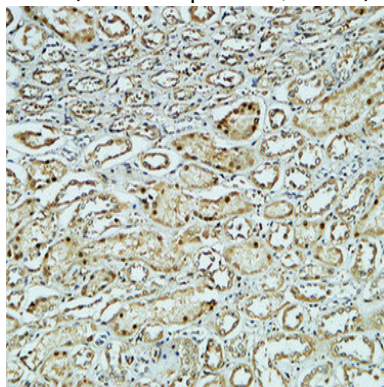
Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



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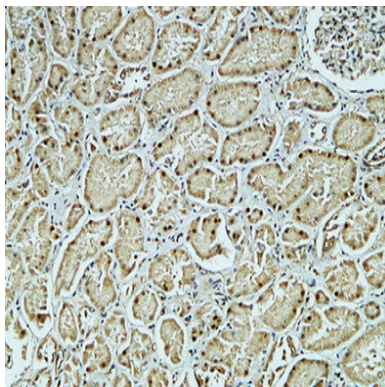


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Note

For research use only.