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Technology
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CD34 Rabbit mAb

Catalog No.: A19015   `Recombinant`   `10 Publications`

Basic Information

Observed MW
120kDa

Calculated MW
41kDa

Category
Primary antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC0219

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.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100 - 1:400
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
947

Swiss Prot
P28906

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CD34; CD34 molecule; GIG3; MORT1

Contact

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Product Information

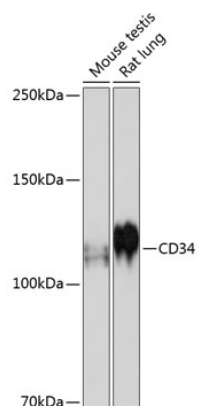| **Source**	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates using CD34 Rabbit mAb (A19015) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
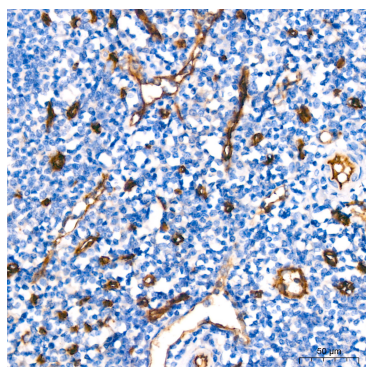Detection: ECL Basic Kit (RM00020).
Exposure time: 3min.
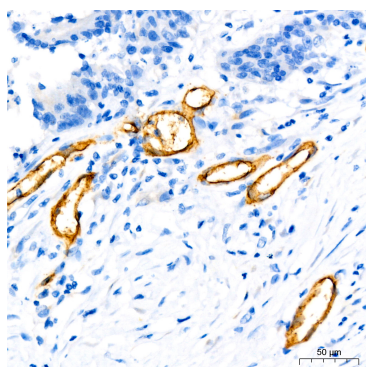
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using CD34 Rabbit mAb (A19015) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.
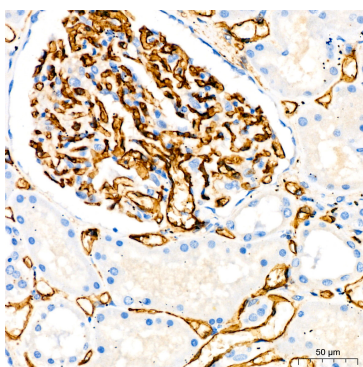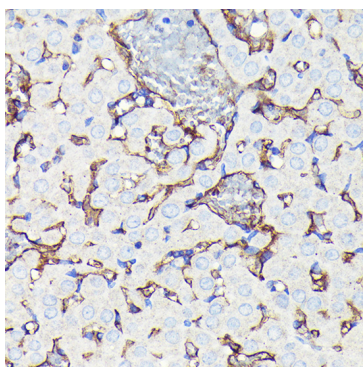

Immunohistochemistry analysis of paraffin-embedded Human kidney using CD34 Rabbit mAb (A19015) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.
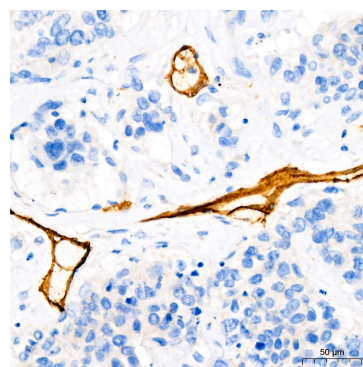

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using CD34 Rabbit mAb (A19015) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD34 Rabbit mAb (A19015) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.
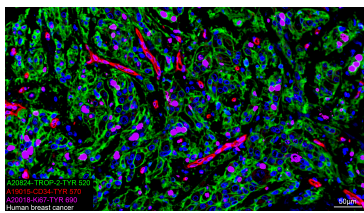

Immunohistochemistry analysis of paraffin-embedded Rat ovary tissue using CD34 Rabbit mAb (A19015) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
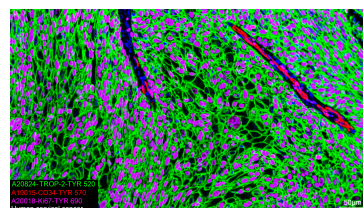
The multiplex IHC analysis on paraffin-embedded Human cervical cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : TROP-2 Rabbit mAb (A20824, 1:8000) with TSA-TYR-520 (Green), CD34 Rabbit mAb (A19015, 1:100) with TSA-TYR-570 (Red), and Ki67 Rabbit mAb (A20018, 1:500) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x

Validation Data

objective lens.

The multiplex IHC analysis on paraffin-embedded Human breast cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : TROP-2 Rabbit mAb (A20824, 1:8000) with TSA-TYR-520 (Green), CD34 Rabbit mAb (A19015, 1:100) with TSA-TYR-570 (Red), and Ki67 Rabbit mAb (A20018, 1:500) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.