

Vimentin; Clone V9 (Ready-To-Use)

Catalog Number

A00045-0002

A00045-0007

A00045-0025

Volume

2 ml

7 ml

25 ml

Description

Species:

Mouse

Immunogen:

Porcine eye lens.

Clone:

V9

Isotype:

IgG1, Kappa.

Format:

This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.

Specificity:

This antibody reacts with a 58kDa protein identified as vimentin. It shows no cross-reactivity with other closely related intermediate filament proteins such as desmin, keratin, neurofilament, and glial fibrillary acid protein.

Species Reactivity:

Reacts with Human, Rat, Horse, Chicken, Cow, Cat, Dog, and Pig. Does not react with Mouse.

Positive Control:

U-87, Raji, Jurkat or HeLa cells. Lymph node or tonsil.

Cellular Localization:

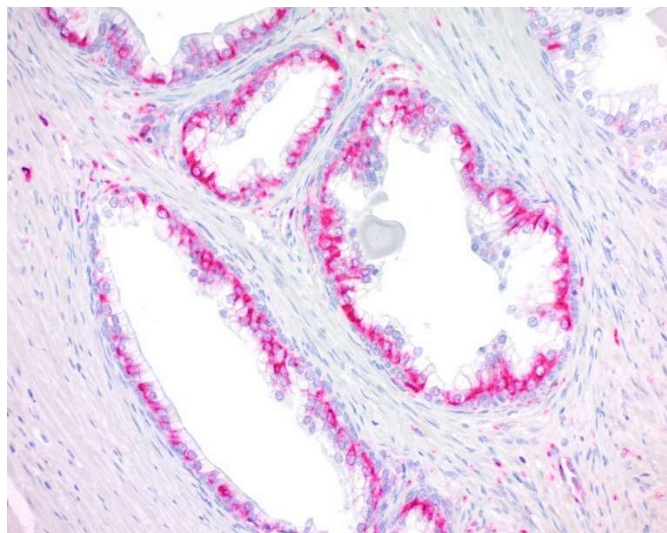
Cytoplasmic

Titer/Working Dilution:

Ready-to-Use (no further dilution required)

Microbiological State:

Nonsterile.



Human prostate stained using Vimentin; Clone V9. Pretreatment with EDTA - Saline Buffer (10X Concentrate); pH 8.0 for 5 minutes at >95°C followed by cooling to room temperature for 20 minutes. Results were visualized using ScyTek's PolyTek Anti-Mouse Polymerized Alk-Phos (Permanent Red) Staining System. Magnification 200X.

Intended Use

For Research Use Only. This antibody is intended for the qualitative visualization of the anatomical elements listed in the Specificity section. It is intended to be used within an Immunohistochemistry (IHC) procedure on formalin-fixed paraffin-embedded (FFPE) human tissue followed by visualization by light microscopy. Any diagnostic interpretation of the results of this antibody is to be complemented by morphological studies using proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

Procedure

1. **Tissue Section Pretreatment (Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with EDTA - Saline Buffer (10X Concentrate); pH 8.0 (ScyTek catalog# ETA500) for 5-10 minutes at >95°C followed by cooling to room temperature for 20 minutes.

2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.

3. **Visualization:** For maximum staining intensity we recommend the "CRF Anti-Polyvalent HRP Polymer" (ScyTek catalog# ABZ125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Materials and Reagents Required but not Provided

- Control tissue and reagents
- Xylene, graded alcohols, and deionized/distilled water
- IHC detection system. Suggested: ScyTek Cat# ABZ125 "CRF Anti-Polyvalent HRP Polymer" and ScyTek Cat# ACV500 "DAB Chromogen/Substrate Kit (High Contrast)".
- Wash buffer for rinses (ScyTek Cat# TBT500)
- Retrieval solution (ScyTek Cat# ETA500)
- Hematoxylin counterstain and bluing reagent (ScyTek Cat# HMM500 and BRT500)
- Mounting medium and coverslips

Note: ScyTek Laboratories has a wide range of IHC reagents and ancillaries that can be found at scytex.com.

Storage and Stability

Do not Freeze. Store at 2-8°C. Return to 2-8° immediately after use. Do not use after expiration date printed on label. Verify visually that antibody has not been contaminated before use. Do not use if reagent becomes cloudy or precipitates.

Limitations

Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used. This data sheet's recommendations and procedures were validated using ScyTek IHC reagents and may not be suitable for other detection systems.

Precautions

- Contains Sodium Azide as a preservative (0.09% w/v), do not ingest. Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.
- Do not pipette by mouth.

Storage: 2° C



8° C



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3. Avoid contact of reagents and specimens with skin and mucous membranes.
4. Avoid microbial contamination of reagents or increased nonspecific staining may occur.
5. The user must validate any procedures and recommendations that differ from this data sheet.
6. The SDS may be found at scytex.com

References

1. Yazgan B, Sozen E, Karademir B, Ustunsoy S, Ince U, Zarkovic N, Ozer NK. CD36 expression in peripheral blood mononuclear cells reflects the onset of atherosclerosis. *BioFactors*. 2018 Nov;44(6):588-96.
2. Elmaci İ, Altinoz MA, Sav A, Bolükbaşı FH, Önöz M, Başkan Ö, Sari R. Whorling-sclerosing meningioma. A review on the histological features of a rare tumor including an illustrative case. *Clinical Neurology and Neurosurgery*. 2017 Nov 1;162:85-90.
3. Gunaydin G, Kesikli SA, Guc D. Cancer associated fibroblasts have phenotypic and functional characteristics similar to the fibrocytes that represent a novel MDSC subset. *Oncoimmunology*. 2015 Sep 2;4(9):e1034918.
4. Basaran R, Kaksi M, Gur E, Efendioglu M, Balkuv E, Sav A. Monostotic fibrous dysplasia involving occipital bone: a case report and review of literature. *The Pan African medical journal*. 2014;19.
5. Sfacteria A, Macrì F, Perillo L, Rapisarda G, Lanteri G, Mazzullo G. Cytologic and histologic features of spinal cord ependymoma in a young dog: a case report. *Veterinária medicina*. 2010 Feb 18;55(1):35-8.

Warranty

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8° C



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