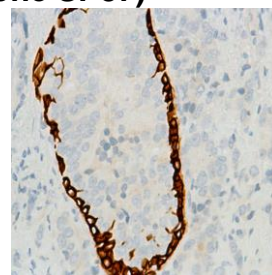




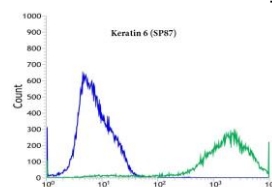
Rabbit Anti-Human Keratin 6 Monoclonal Antibody (Clone SP87)

CATALOG #:

- M3870** 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M3872** 0.5 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M3874** 1.0 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M3871** 7.0 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide. (For IHC only).



Human prostate cancer stained with anti-keratin 6 antibody



Flow cytometric analysis of rabbit anti-Keratin 6 (SP87) antibody in A431 (green) compare to negative control of rabbit IgG (blue)

Western Blot analysis of A431 cell lysate with keratin 6 antibody



INTENDED USE:

For Research Use Only. Not for use in diagnostic procedures.

CLONE:

SP87

IMMUNOGEN:

Synthetic peptide derived from C-terminus of human keratin 6 protein.

IG ISOTYPE:

Rabbit IgG

EPITOPE:

Not determined

MOLECULAR WEIGHT:

60kDa

SPECIES REACTIVITY:

Human (tested). (See www.springbio.com for information on species reactivity predicted by sequence homology.)

DESCRIPTION:

Keratins 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyperproliferation related keratins). Keratin 6 is found in hair follicles, neck squamous cell carcinomas, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyperproliferative situations. Epidermal injury results in activation of keratinocytes which express CK6 and CK16. CK6 is strongly expressed in about 75% of head and neck squamous cell carcinomas. Expression of CK6 is particularly associated with differentiation.

APPLICATIONS:

Immunohistochemistry (IHC), Western Blotting and Flow Cytometry

IHC PROCEDURE:

Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.

Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.

Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:200. The dilutions are estimates; actual results may differ because of variability in methods and protocols.

Antigen Retrieval: Boil tissue section in 10mM Citrate, pH 6.0 for 10 min followed by cooling at room temperature for 20 min.

Primary Antibody Incubation: Incubate for 10 minutes at room temperature.

Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.

Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

IHC POSITIVE CONTROL:

Prostate cancer, skin

WESTERN BLOTTING:

Recommended starting protocol: Dilute the antibody 1:25. Incubate for 1 hour at room temperature. The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

WESTERN BLOTTING

POSITIVE CONTROL:

A431 cell lysate

FLOW CYTOMETRY:

Recommended starting protocol: Dilute the antibody 1:100. Incubate for 30 minutes at 4°C. The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

FLOW CYTOMETRY

POSITIVE CONTROL:

A431 Cell Line

CELLULAR LOCALIZATION:

Cytoplasm

STORAGE & STABILITY:

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical Support at spring.tech@ventana.roche.com.

WARNINGS &

PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.