



Rabbit anti-Cytokeratin 5

Cat. No. and Size:	503-3274: 1 ml rabbit monoclonal antibody supplied as tissue culture supernatant in TBS/1% BSA buffer pH 7.5 with less than 0.1% sodium azide. 503-3271: 7 ml pre-diluted rabbit monoclonal antibody supplied as tissue culture supernatant in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide. (For IHC only).
Intended Use:	For research use only. Not for use in diagnostic procedures.
Clone:	SP27
Immunogen:	Synthetic peptide from C-terminus of human cytokeratin 5.
Isotype:	Rabbit IgG
Epitope:	Not determined
Molecular Weight:	58 kDa
Species Reactivity:	Human (tested). Predicted by homology Bv, Dg, Ms, Pg, Rt. Others not tested.
Description:	Twenty human keratins are divided into acidic (pI <5.7) and basic (pI >6.0) subfamilies. Members of the acidic and basic subfamilies are found together in pairs. The composition of keratin pairs varies with the epithelial cell type, stage of differentiation, cellular growth environment, and disease state. Many studies have shown the usefulness of keratins as markers in cancer research and tumor identification. Point mutations in cytokeratin 5 gene can cause various types of epidermolysis bullosa simplex. It is expressed in most epithelial cells, prostate basal cells and epithelial and biphasic mesotheliomas.
Applications	Immunohistochemistry (IHC) on formalin-fixed, paraffin-embedded tissue sections and Western Blotting.
IHC Procedure	Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:100. The dilutions are estimates; actual results may differ because of variability in methods and protocols. Antigen Retrieval: Boil tissue sections in 10 mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Primary Antibody Incubation: 30 minutes at RT.
Positive Control:	Skin, breast, prostate, prostate carcinoma, mesothelioma
Western Blotting	Recommended starting protocol: Dilute the antibody 1:100. 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.
Positive Control:	A431 cell lysate
Cellular localization:	Cytoplasm and membrane

Storage and Stability

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. Every antibody is expiration dated. 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.

- For Research Use Only -

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Explanation of the symbols on the product label:

<p>REF</p>	<p>Bestellnummer Catalog Number Reference du catalogue</p>		<p>Verwendbar bis Use By Utiliser jusque</p>		<p>Gebrauchsanweisung beachten Consult Instructions for use Consulter les instructions d'utilisation</p>
<p>LOT</p>	<p>Chargenbezeichnung Batch Code Code du lot</p>		<p>Lagerungstemperatur Temperature Limitation Limites de température</p>	<p>RUO</p>	<p>Nur für Forschungszwecke For Research Use Only Pour la recherche uniquement</p>
<p>IVD</p>	<p>In vitro Diagnostikum In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro</p>		<p>Achtung Warning Attention</p>	<p> Hersteller / Manufacturer / Fabricant Zytomed Systems GmbH • Anhaltinerstraße 16 14163 Berlin, Germany • Tel: (+49) 30-804 984 990 www.zytomed-systems.de</p>	