

Rabbit anti-Actin (Smooth Muscle)

Cat. No. and Size: **501-2464:** 1 ml immunogen affinity purified immunoglobulin from rabbit serum in 10 mM PBS pH 7.4 with 1 % BSA and 0.1 % sodium azide.
501-2461: 7 ml prediluted antibody in a 50 mM Tris buffer pH 7.6 with 1 % BSA and 0.1 % sodium azide.

Intended Use: For research use only. Not for use in diagnostic procedures.

Clone: n/a

Immunogen: A synthetic peptide from N-terminus of human alpha smooth muscle isoform of actin.

Isotype: Rabbit IgG

Epitope: N-terminus

Molecular Weight: 42 kDa

Species Reactivity: Human (tested). Baboon, cow, rabbit, mouse, rat and chicken (by sequence homology). Others not tested.

Description: This antibody stains smooth muscle cells in vessel walls, gut wall, and myometrium. Myoepithelial cells in breast and salivary gland are also stained. It reacts with tumors arising from smooth muscles and myoepithelial cells. Actin from fibroblasts (beta- and gamma-cytoplasmic), striated muscle (alpha-sarcomeric), and myocardium (alpha-myocardial) are not stained.

Applications Immunohistochemistry (IHC) on formalin-fixed, paraffin-embedded tissue sections.

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: No special pretreatment is required for the immunohistochemical staining of formalin/paraffin tissues.

Primary Antibody Incubation: 10 minutes at RT.

Positive Control: Smooth muscle in small intestine and leiomyosarcoma

Cellular localization: Cytoplasm

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.

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Doc: 501-2464_2461

Explanation of the symbols on the product label:

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