

PAB342Mi01

Polyclonal Antibody to Actin Alpha 2, Smooth Muscle (ACTa2)

Organism Species: Multi-species

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: ACTa2

Clonality: Polyclonal

Host: Rabbit

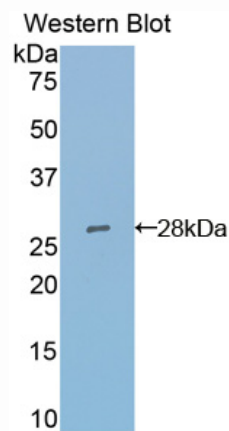
Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 50µg



Sample: Recombinant ACTa2

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant ACTa2 (Ile167~Phe377) expressed in *E.coli*.

Accession No.: RPB342M101

Sequence: The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHH SSSLVPRGSH MASMTGGQQM GRGSEF-IYEG YALPHAIMRL
DLAGRDLTDY LMKILTERGY SFVTTAEREI VRDIKEKLCY VALDFENEMA TAASSSSLEK
SYELPDGQVI TIGNERFRCP ETLFQPSFIG MESAGIHETT YNSIMKCDID IRKDLYANNV
LSGGTTMYPG IADRMQKEIT ALAPSTMKIK IIPPERKYS VWIGGSILAS LSTFQQMWIS
KQEYDEAGPS IVHRKCF

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against ACTa2. It has been selected for its ability to recognize ACTa2 in immunohistochemical staining and western blotting.

Note: 100% cross-reactivity of ACTa2 was observed among human, mouse, rat, cavia, rabbit, simian, bovine, equine, and gallus.

[APPLICATIONS]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant ACTa2 (Ile167~Phe377) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN₃ 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.