

Datasheet for ABIN7439306

**anti-Smooth Muscle Actin antibody (AA 167-377)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	100 µL
Target:	Smooth Muscle Actin (ACTA2)
Binding Specificity:	AA 167-377
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

## Product Details

Purpose:	Polyclonal Antibody to Actin Alpha 2, Smooth Muscle (ACTa2)
Immunogen:	Recombinant Actin Alpha 2, Smooth Muscle (ACTa2) corresponding to Ile167~Phe377 with N-terminal His Tag
Isotype:	IgG
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.
Cross-Reactivity:	Chicken, Cow, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Rhesus Monkey
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

Target:	Smooth Muscle Actin (ACTA2)
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## Target Details

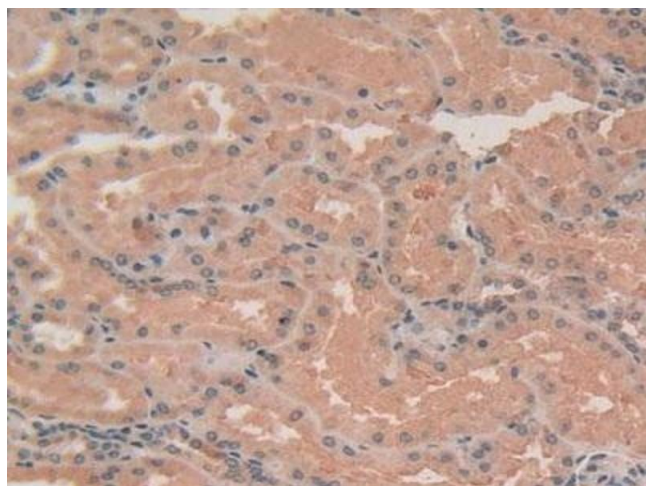
Alternative Name:	Actin Alpha 2, Smooth Muscle ( <a href="#">ACTA2 Products</a> )
Background:	ACT-A2, ACTSA, ACTVS, Asma, GIG46, Cell growth-inhibiting gene 46 protein
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

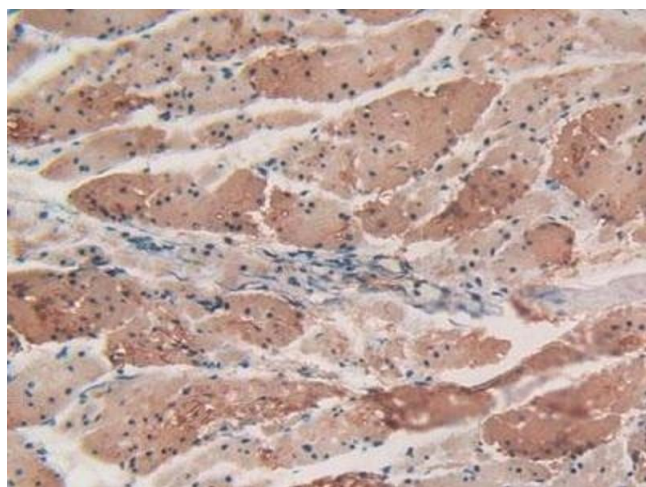
## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



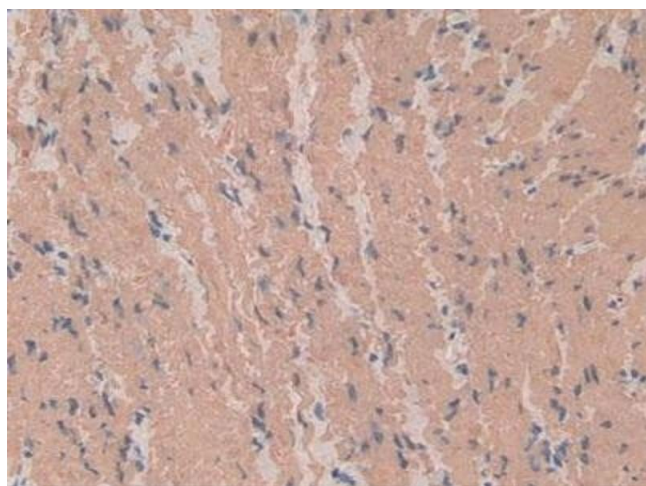
#### Immunohistochemistry

**Image 1.** Detection of ACTa2 in Human Stomach Tissue using Polyclonal Antibody to Actin Alpha 2, Smooth Muscle (ACTa2)



#### Immunohistochemistry

**Image 2.** Detection of ACTa2 in Human Esophagus Tissue using Polyclonal Antibody to Actin Alpha 2, Smooth Muscle (ACTa2)



#### Immunohistochemistry

**Image 3.** Detection of ACTa2 in Human Stomach Cancer Tissue using Polyclonal Antibody to Actin Alpha 2, Smooth Muscle (ACTa2)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7439306.