

Datasheet for ABIN559755

anti-Smooth Muscle Actin antibody (AA 1-377)



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3 Images

Overview

Quantity:	100 µg
Target:	Smooth Muscle Actin (ACTA2)
Binding Specificity:	AA 1-377
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Smooth Muscle Actin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against a full-length recombinant ACTA2.
Immunogen:	ACTA2 (AAH17554.1, 1 a.a. ~ 377 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MCEEDSTAL VCDNGSLCK AGFAGDDAPR AVFPSIVGRP RHQGMVGMG QKDSYVGDEA QSKRGILTLK YPIEHGIITN WDDMEKIWHH SFYNELRVAP EEHPTLLTEA PLNPKANREK MTQIMFETFN VPAMYVAIQA VLSLYASGRT TGIVLDSGDG VTHNVPIYEG YALPHAIMRL DLAGRDLTDY LMKILTERGY SFVTTAEREI VRDIKEKLCY VALDFENEMA TAASSSSLEK SYELPDGQVI TIGNERFRCP ETLFQPSFIG MESAGIHETT YNSIMKCDID IRKDLYANNV LSGGTTMYPG IADRMQKEIT ALAPSTMKIK IAPPERKYS VWIGGSILAS LSTFQQMWIS KQEYDEAGPS IVHRKCF
Clone:	1D11-2B9

Product Details

Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

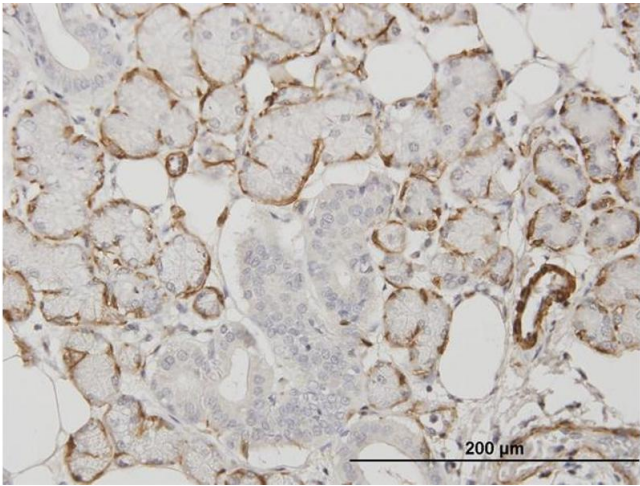
Target:	Smooth Muscle Actin (ACTA2)
Alternative Name:	ACTA2 (ACTA2 Products)
Background:	Full Gene Name: actin, alpha 2, smooth muscle, aorta Synonyms: AAT6,ACTSA
Gene ID:	59
Pathways:	Myometrial Relaxation and Contraction , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

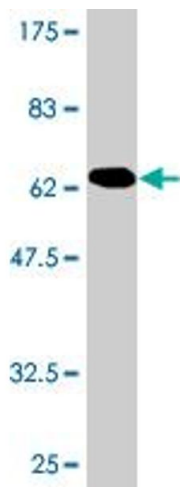
Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.



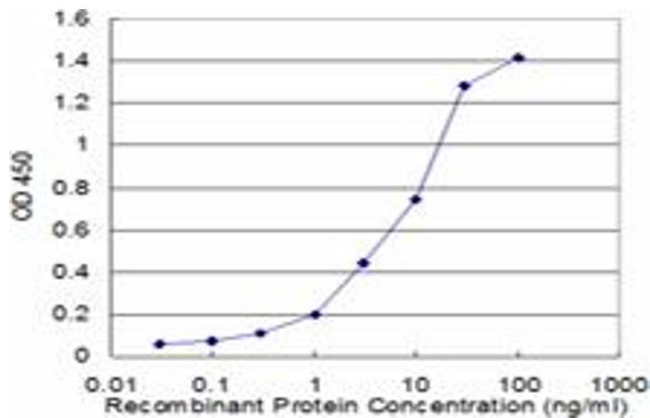
Immunostaining

Image 1. Immunoperoxidase of monoclonal antibody to ACTA2 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Western Blotting

Image 2. Western Blot detection against Immunogen (67.21 KDa) .



ELISA

Image 3. Detection limit for recombinant GST tagged ACTA2 is approximately 0.3ng/ml as a capture antibody.