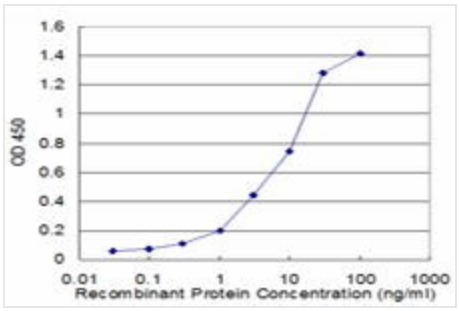
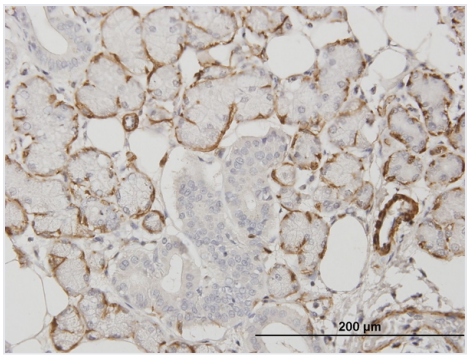
ACTA2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

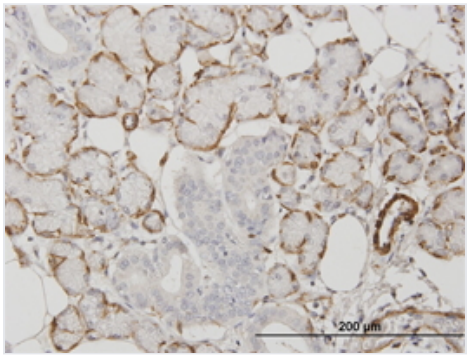
Product Name	ACTA2, Monoclonal Antibody
Full Product Name	ACTA2 (Actin, alpha 2, Smooth Muscle, aorta, AAT6, ACTSA) (PE)
Product Gene Name	anti-ACTA2 antibody
Product Synonym Names	Actin; alpha 2; Smooth Muscle; aorta; AAT6; ACTSA
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D11-2B9
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes ACTA2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	ACTA2 (AAH17554.1, 1aa-377aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MCEEEDSTALVCDNGSGLCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDSYVGDEAQSKRGILTLKYPIEHGIITNWDDMEKIWHHSFYNELRVA
Conjugate	PE
Product Categories/Family for anti-ACTA2 antibody	Antibodies; Actin Related Proteins
Applications Tested/Suitable for anti-ACTA2 antibody	Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-ACTA2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ACTA2 antibody	The protein encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure a protein, have been identified. [provided by RefSeq]
Other Notes	Small volumes of anti-ACTA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for ACTA2 purchase	MBS6186542 is an antibody targeting ACTA2. Also known as ACTA2 (Actin, alpha 2, Smooth Muscle, aorta, AAT6, ACTSA) (PE). Host: Mouse.



Testing Data of anti-ACTA2 antibody
Detection limit for recombinant GST tagged ACTA2 is approximately 0.3ng/ml as a capture antibody.



Immunohistochemistry (IHC) of anti-ACTA2 antibody
Immunoperoxidase of monoclonal antibody to ACTA2 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Immunohistochemistry (IHC) of anti-ACTA2 antibody
Immunoperoxidase of monoclonal antibody to ACTA2 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACTA2. It may not necessarily be applicable to this product.

NCBI GI #	17028467
NCBI GeneID	59
NCBI Accession #	AAH17554.1
UniProt Related Accession #	P62736
NCBI Official Full Name	Actin, alpha 2, smooth muscle, aorta
NCBI Official Synonym Full Names	actin alpha 2, smooth muscle
NCBI Official Symbol	ACTA2
NCBI Official Synonym Symbols	ACTSA
Protein Family	Actin
NCBI Protein Information	actin, aortic smooth muscle
NCBI Summary for ACTA2	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a smooth muscle actin that is involved in vascular contractility and blood pressure homeostasis. Mutations in this gene cause a variety of vascular diseases, such as thoracic aortic disease, coronary artery disease, stroke, and Moyamoya disease, as well as multisystemic smooth muscle dysfunction syndrome. [provided by RefSeq, Sep 2017]
Research Articles on ACTA2	**1.** This study demonstrated that alphasmooth muscle actin could be a predictor for improved postoperative endoscopic and symptomatic outcomes in chronic rhinosinusitis.

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