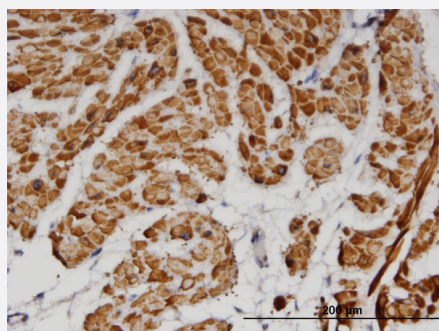


TPM2 monoclonal antibody (M07), clone 3C8

Catalog # H00007169-M07

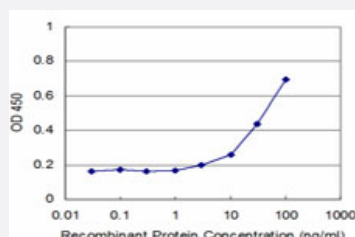
Size 100 ug

Applications



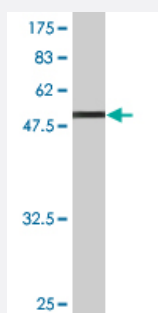
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TPM2 on formalin-fixed paraffin-embedded human smooth muscle. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TPM2 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (56.98 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant TPM2.

Immunogen	TPM2 (AAH11776, 1 a.a. ~ 284 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDAIAKKKMQLKLDKENAIDRAEQAEADKKQAEDRCKQLEEEQQAALQKKLKGTEDEVEKYS VKEAQEKLEQAEKKATDAEADVASLNRRRIQLVEEELDRAQERLATALQKLEEAKEKADES KGMKVIENTRAMKDEEKMEQLQEMQLKEAKHIAEDSDRKYEEVARKLVILEGELERSEERA EVAESRARQLEEEELRTMDQALKSLMASEEEYSTKEDKYEEIKLLEEKLEAEETRAEFAERS VAKLEKTIDDLLEETLASAKEENVEIHQTLDDQTLLELNNL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (56.98 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TPM2 on formalin-fixed paraffin-embedded human smooth muscle. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TPM2 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TPM2

Entrez GeneID

[7169](#)

GeneBank Accession#	BC011776
Protein Accession#	AAH11776
Gene Name	TPM2
Gene Alias	AMCD1, DA1, DA2B, TMSB
Gene Description	tropomyosin 2 (beta)
Omim ID	108120 161800 190990
Gene Ontology	Hyperlink
Gene Summary	This gene encodes beta-tropomyosin, a member of the actin filament binding protein family, and mainly expressed in slow, type 1 muscle fibers. Mutations in this gene can alter the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal art hrogryposis syndromes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene
Other Designations	OTTHUMP00000021357 arthrogryposis multiplex congenital, distal, type 1

Pathway

- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Arthrogryposis](#)
- [Cardiovascular Diseases](#)
- [Clubfoot](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)