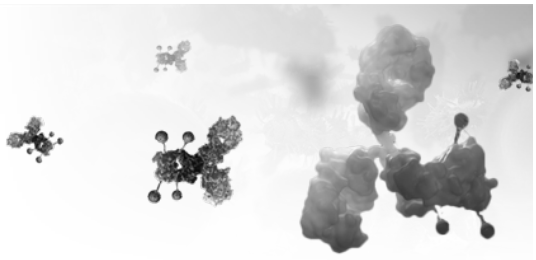

Anti-Tropomyosin monoclonal antibody, clone DI2 (DCABH-9821)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Tropomyosin
Antigen Description	Tropomyosin is a dimeric coiled coil protein that binds along the length of actin filaments. It is associated with the thin filaments of muscle cells and the microfilaments of nonmuscle cells. Chicken embryo fibroblasts (CEF) contain five isoforms of tropomyosin (a, b, 1, 2, and 3), identified as such by their different apparent molecular masses after separation by SDS-PAGE, but similar biochemical properties, such as resistance to heat and organic solvents, the ability to bind to F actin filaments, and the lack of proline and tryptophan.
Specificity	This antibody is specific for human striated muscle forms of tropomyosin, including cardiac alpha tropomyosin and skeletal muscle forms of tropomyosin. This rod-shaped protein is associated with contractile tissue, where it regulates the Ca 2+ -dependent
Target	Tropomyosin
Immunogen	Purified chicken muscle tropomyosin.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Chicken
Clone	DI2
Conjugate	Unconjugated
Applications	IHC-FoFr, IHC-Fr, IP, IHC-P, RIA, WB, Flow Cyt
Positive Control	Human tongue, heart and chicken heart

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Format	Liquid
Size	250 µl
Buffer	Preservative: 0.1% Sodium Azide; Constituents: 20mM Tris, 150mM Sodium chloride
Preservative	0.1% Sodium Azide
Storage	store at -20°C. Avoid freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	Tpm3 tropomyosin 3, gamma [Rattus norvegicus]
Official Symbol	Tpm3
Synonyms	TPM3; tropomyosin 3, gamma; tropomyosin alpha-3 chain; tropomyosin-3; tropomyosin-5; gamma-tropomyosin; tropomyosin non-muscle; nonmuscle tropomyosin 5; Tpm5; TM30nm;
Entrez Gene ID	117557
Protein Refseq	NP_476556
UniProt ID	Q63610
Pathway	Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; Hypertrophic cardiomyopathy (HCM), organism-specific biosystem; Hypertrophic cardiomyopathy (HCM), conserved biosystem; Pathways in cancer, organism-specific biosystem;
Function	actin binding; molecular_function;

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