



Anti-Tropomyosin monoclonal antibody, clone UN-422 (DCABH-9820)

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 the 36K and 39K bands (alpha isoform at 39 kDa and beta isoform at 36 kDa)of chicken gizzard tropomyosin. It is not specific for the alpha form alone. This antibody stains human fibroblast cells, and it cross-reacts with chi
Target	Tropomyosin
Immunogen	Purified chicken gizzard tropomyosin.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Chicken
Clone	UN-422
Conjugate	Unconjugated
Applications	IHC-P, WB
Positive Control	Chicken or human fibroblasts

Format	Liquid
Size	250 µl
Buffer	Preservative: 0.1% Sodium azide; Constituent: PBS
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Storage	Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name	Tpm1 tropomyosin 1, alpha [Mus musculus]
Official Symbol	Tpm1
Synonyms	TPM1; tropomyosin 1, alpha; tropomyosin alpha-1 chain; tropomyosin-1; alpha tropomyosin; alpha-tropomyosin; TM2; Tm3; Tmpa; Tpm-1; AA986836; AI854628; alpha-TM;
Entrez Gene ID	22003
Protein Refseq	NP_001157720
UniProt ID	P58771
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; Striated Muscle Contraction, organism-specific biosystem;
Function	actin binding; actin filament binding; cytoskeletal protein binding; protein N-terminus binding; protein homodimerization activity; structural constituent of cytoskeleton;