ARG56371
anti-TNNC2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TNNC2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TNNC2
Species	Human
Immunogen	Recombinant protein of Human TNNC2
Conjugation	Un-conjugated
Alternate Names	Troponin C, skeletal muscle

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Mouse brain

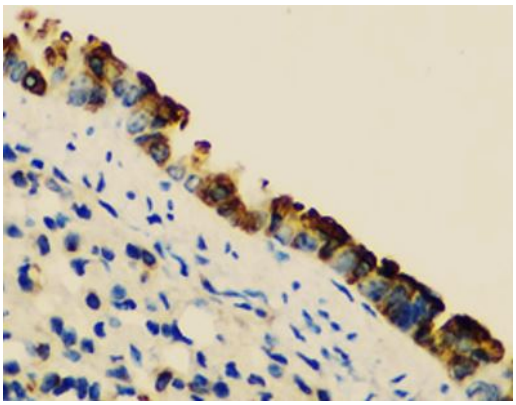
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

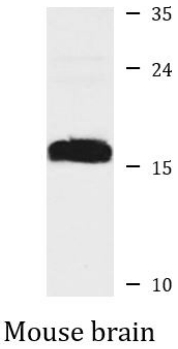
Database links	GeneID: 21925 Mouse GeneID: 7125 Human Swiss-port # P02585 Human Swiss-port # P20801 Mouse
Gene Symbol	TNNC2
Gene Full Name	troponin C type 2 (fast)
Background	Troponin (Tn), a key protein complex in the regulation of striated muscle contraction, is composed of 3 subunits. The Tn-I subunit inhibits actomyosin ATPase, the Tn-T subunit binds tropomyosin and Tn-C, while the Tn-C subunit binds calcium and overcomes the inhibitory action of the troponin complex on actin filaments. The protein encoded by this gene is the Tn-C subunit. [provided by RefSeq, Jul 2008]
Function	Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments. [UniProt]
Calculated Mw	18 kDa

Images



ARG56371 anti-TNNC2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse lung stained with ARG56371 anti-TNNC2 antibody at 1:200 dilution.



ARG56371 anti-TNNC2 antibody WB image

Western blot: Mouse brain lysate stained with ARG56371 anti-TNNC2 antibody.