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Datasheet for ABIN5690063 **anti-MYH3 antibody (AA 30-80)**

Overview

Quantity:	0.1 mg
Target:	MYH3
Binding Specificity:	AA 30-80
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	MYH3 antibody was raised against a 19 amino acid peptide near the amino terminus of human MYH3. The immunogen is located within amino acids 30 - 80 of MYH3.
Isotype:	IgG
Specificity:	MYH3 antibody is human, mouse and rat reactive. MYH3 antibody is predicted to not cross-react with other members of the myosin heavy chain family.
Purification:	MYH3 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MYH3
Alternative Name:	MYH3 (MYH3 Products)

Target Details

Background: Myosins are actin-based motor proteins that function in the generation of mechanical force in eukaryotic cells (1). MYH3 (myosin, heavy chain, skeletal muscle, embryonic) plays a significant role in skeletal muscle development (2) and is also essential for the proper morphology and function of the developing heart (3). Mutations in this gene have been associated with Freeman-Sheldon syndrome and Sheldon-Hall syndrome (4).

Molecular Weight: Predicted: 240 kDa
Observed: 245 kDa

Gene ID: 4621

NCBI Accession: [NP_002461](#)

UniProt: [P11055](#)

Application Details

Application Notes: MYH3 antibody can be used for detection of MYH3 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: MYH3 antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: MYH3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.