

MYO1D polyclonal antibody

Catalog: BS61215

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Actin is a highly conserved protein that is expressed in all eukaryotic cells. Actin filaments can form both stable and labile structures and are crucial components of microvilli and the contractile apparatus of muscle cells. Troponin facilitates interaction between actin and myosin by binding to Ca²⁺. Troponin is made up of at least two subunits, which are divergent in cardiac muscle, fast skeletal muscle and slow skeletal muscle. Myosin is a hexamer of 2 heavy chains (MHC) and 4 light chains (MLC) that interacts with actin to generate the force for diverse cellular movements, including cytokinesis, phagocytosis and muscle contraction. Myosin Id (MYO1D) binds to calmodulin. It is expressed in most tissues, but is primarily found in brain, followed by lung and ovary.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 116 kDa

Swiss-Prot:

O94832

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

MYO1D polyclonal antibody detects endogenous levels of MYO1D protein.

DATA:



Western blot (WB) analysis of Myosin Id (V857) pAb at 1:500 dilution

Lane1: The Brain tissue lysate of Mouse (30ug)

Lane2: The Brain tissue lysate of Rat (30ug)

Lane3: A2780 whole cell lysate (40ug)

Lane4: H1792 whole cell lysate (40ug)

Note:

For research use only, not for use in diagnostic procedure.

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