

Myosin XVI rabbit pAb

Cat No.: ES5292

For research use only

Overview

Product Name Myosin XVI rabbit pAb

Host species Rabbit

Applications WB;ELISA;IHC

Species Cross-Reactivity Human;Rat;Mouse;

Recommended dilutions WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000

Immunogen Synthesized peptide derived from Myosin XVI . at AA

range: 1050-1130

Specificity Myosin XVI Polyclonal Antibody detects endogenous

levels of Myosin XVI protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Unconventional myosin-XVI

Gene Name MYO16

Cellular localization Cytoplasm . Found in puncta in soma and processes

of astrocytes and dissociated cerebellar cells with

the morphology of migrating granule cells. .

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 200kD
Human Gene ID 23026
Human Swiss-Prot Number Q9Y6X6

Alternative Names MYO16; KIAA0865; MYO16B; NYAP3;

Unconventional myosin-XVI; Neuronal

tyrosine-phosphorylated phosphoinositide-3-kinase

adapter 3; Unconventional myosin-16

Background function: Myosins are actin-based motor molecules

with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent

tails are presumed to bind to membranous



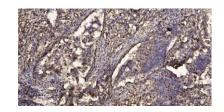
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compartments, which would be moved relative to actin filaments. May be involved in targeting of the catalytic subunit of protein phosphatase 1 during brain development., similarity: Contains 1 IQ domain., similarity: Contains 2 myosin head-like domains., similarity: Contains 7 ANK repeats., subcellular location: Found in puncta in soma and processes of astrocytes and dissociated cerebellar cells with the morphology of migrating granule cells., subunit: Binds PPP1CA and/or PPP1CC. Binds F-actin in an ATP-sensitive manner.,

Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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