



# Myosin Id Polyclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | YP-Ab-03164  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Mouse;Rat  |
| <b>Applications</b>       | IHC;IF;ELISA   |
| <b>Gene Name</b>          | MYO1D  |
| <b>Protein Name</b>       | Unconventional myosin-Id   |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human MYO1D. AA range:825-874  |
| <b>Specificity</b>        | Myosin Id Polyclonal Antibody detects endogenous levels of Myosin Id protein.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | MYO1D; KIAA0727; Unconventional myosin-Id  |
| <b>Observed Band</b>      |  |
| <b>Cell Pathway</b>       | Cytoplasm . Perikaryon . Cell projection, dendrite . Early endosome . Cytoplasm, cell cortex . Colocalizes with the actin cytoskeleton in the cell cortex close to the apical cell membrane. Colocalizes with cytoplasmic puncta that are reminiscent of transport vesicles. .   |
| <b>Tissue Specificity</b> | Expressed in many tissues. Highest levels in brain, followed by lung and ovary; expression is lowest in spleen.  |
| <b>Function</b>           | 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 compartments, which would be moved relative to actin filaments.,similarity:Contains 1 myosin head-like domain.,similarity:Contains 2 IQ domains.,subunit:Binds calmodulin through its IQ motifs.,tissue specificity:Expressed in many tissues. Highest levels in brain, followed by lung and ovary; expression is lowest in spleen., |
| <b>Background</b>         | 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 compartments, which would be moved relative to actin filaments.,similarity:Contains 1 myosin head-like domain.,similarity:Contains 2 IQ domains.,subunit:Binds calmodulin through its IQ   |



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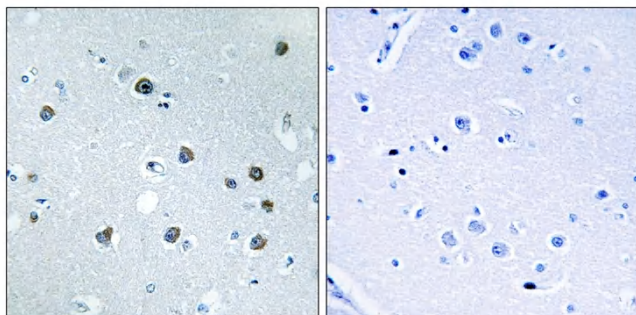
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MYO1D Antibody. The picture on the right is blocked with the synthesized peptide.