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# Product datasheet for TA378875

## Myosin VIIa (MYO7A) Rabbit Polyclonal Antibody

## Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Recommended Dilution:** | WB,1:500 - 1:2000 |
| **Reactivity:** | Human, Mouse, Rat |
| **Modifications:** | Unmodified |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Recombinant fusion protein containing a sequence corresponding to amino acids 850-1150 of human MYO7A (NP_000251.3). |
| **Formulation:** | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| **Concentration:** | lot specific |
| **Purification:** | Affinity purification |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20℃. Avoid freeze / thaw cycles. |
| **Stability:** | Shelf life: one year from despatch. |
| **Predicted Protein Size:** | 138kDa/240kDa/249kDa/250kDa/254kDa |
| **Gene Name:** | myosin VIIA |
| **Database Link:** | Entrez Gene 4647 Human<br>Q13402 |
| **Background:** | This gene is a member of the myosin gene family. Myosins are mechanochemical proteins characterized by the presence of a motor domain, an actin-binding domain, a neck domain that interacts with other proteins, and a tail domain that serves as an anchor. This gene encodes an unconventional myosin with a very short tail. Defects in this gene are associated with the mouse shaker-1 phenotype and the human Usher syndrome 1B which are characterized by deafness, reduced vestibular function, and (in human) retinal degeneration. Alternative splicing results in multiple transcript variants. |

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**Synonyms:**          DFNA11; DFNB2; MYOVIIA; MYU7A; NSRD2; USH1B

# Product images:
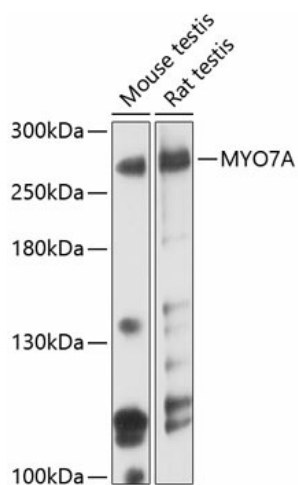


Western blot analysis of extracts of various cell lines, using MYO7A antibody (TA378875) at 1:3000 dilution.|Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.|Lysates/proteins: 25ug per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit .|Exposure time: 30s.