

Product Data Sheet

Anti-Myosin 14 Antibody

Catalog # Source Reactivity Applications

CPA5013 Rabbit H, M, R WB, IH

Description Rabbit polyclonal antibody to Myosin 14

Immunogen KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human Myosin 14. The exact sequence is proprietary.

Purification The antibody was purified by immunogen affinity chromatography.

Specificity Recognizes endogenous levels of Myosin 14 protein.

Clonality Polyclonal

Conjugation

Form Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol,

and 0.01% sodium azide.

Dilution WB (1/500 - 1/1000), IH (1/100 - 1/200)

Gene Symbol MYH14

Alternative Names KIAA2034; Myosin-14; Myosin heavy chain 14; Myosin heavy chain, non-muscle IIc;

Non-muscle myosin heavy chain IIc; NMHC II-C

Entrez Gene 79784 (Human); 71960 (Mouse)

SwissProt Q7Z406 (Human); Q6URW6 (Mouse)

Storage/Stability Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid

freeze/thaw cycles.

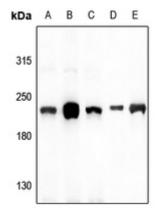
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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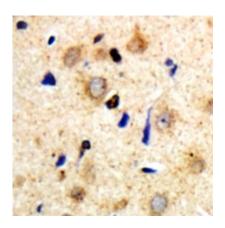
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Western blot analysis of Myosin 14 expression in H1792 (A), HEK293T (B), HepG2 (C), mouse liver (D), rat liver (E) whole cell lysates. (Predicted band size: 227 kD; Observed band size: 228 kD)



Immunohistochemical analysis of Myosin 14 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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