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**anti-Rap 2**

Cat #: HM1309  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Rap 2 belongs to a family of Ras-related proteins which also include Rap 1A and Rap 1B. These proteins share approximately 50% amino acid identity with the classical Ras proteins and have numerous structural features in common. A difference between the RAP and RAS proteins resides in their 61st amino acid: glutamine in Ras is replaced by threonine in Rap proteins. The Rap 2 protein shares 60% identity with the Rap 1A protein and exhibits a carboxy terminal CAAX motif and two upstream cysteines similar to those of the H-Ras, K-Ras and N-Ras proteins. In contrast with Rap 1, overexpression of Rap 2 does not interfere with the Ras signaling pathway.

**SPECIFICITY**

This antibody reacts with Rap 2 of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry. It does not cross-react with Rap 1A, Rap 1B or other GTP binding proteins.

Molecular weight of Rap 2: 22 kDa.

Western blotting positive control: A-431 cells.

**IMMUNOGEN**

Full-length recombinant human Rap 2 protein.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

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**Hypromatrix, Inc.**  
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USA

Tel: 508-856-7900  
Fax: 508-302-0748  
Email: [contact@hypromatrix.com](mailto:contact@hypromatrix.com)  
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