

**Antibody to IQGAP2**
MOUSE MONOCLONAL

Catalog Number: AB-V28
Quantity: 100 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Mouse
Isotype: IgG2a
Clone: A2
Immunogen: IQGAP2

Background: IQGAP2 is a scaffolding protein involved in regulating cell morphology and motility through its interactions with the cytoskeleton, cell adhesion molecules, and various signaling pathways. It contains multiple functional domains, including three IQ motifs, a calponin homology domain, a Ras-GAP domain, and a WW domain. IQGAP2 binds to activated forms of CDC42 and RAC1 but does not promote their GTPase activity. Expressed in the liver, stomach, and platelets, IQGAP2 shares over 50% sequence identity with IQGAP1, yet appears to differ significantly in its pathological roles.

Specificity & Preparation: This Mouse IgG2a monoclonal antibody recognizes human and mouse scaffolding protein, IQGAP2.

Usage: Applications include immunohistochemistry. Working dilutions must be determined by end user.

Storage: Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Marbiah MM, Harvey A, West BT, Louzolo A, Banerjee P, Alden J, Grigoriadis A, Hummerich H, Kan HM, Cai Y, Bloom GS, Jat P, Collinge J, Klöhn PC (2014) Identification of a gene regulatory network associated with prion replication. EMBO J 33(14):1527-1547. doi: 10.15252/embj.201387150 PMID: 24843046

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