

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

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|-----------------------|--|----------------------|-----------|
| Product name | HAKAI, Human, pAb | | |
| Catalog number | HP9038-20UG | | |
| Lot number | - | Expiry date | - |
| Volume | 200 µl | Amount | 20 µg |
| Formulation | 0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3 | Concentration | 100 µg/ml |
| Host Species | Rabbit IgG | Conjugate | None |
| Endotoxin | N.A. | Purification | Protein A |
| Storage | 4°C | | |

Application notes

| | IHC-F | IHC-P | IF | FC | FS | IA | IP | W |
|-------------|-------|-------|----|----|----|----|----|---|
| Reference # | | | | | | | | |
| Yes | • | | • | | | | | • |
| No | | | | | | | | |
| N.D. | | • | | • | • | • | • | |

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

General Information

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|------------------------------|--|
| Description | The polyclonal antibody reacts with human Hakai, a c-Cbl-like protein. Hakai is an E-cadherin binding protein, which has been identified as an E3 ubiquitin-ligase. Hakai contains SH2, RING, zinc-finger and proline-rich domains. Hakai interacts with E-cadherin in a tyrosine phosphorylation-dependent manner, inducing ubiquitination of the E-cadherin complex. Expression of Hakai in epithelial cells disrupts cell-cell contacts and enhances endocytosis of E-cadherin and cell motility. By promoting the endocytosis and dynamic recycling or destruction of E-cadherin complexes, Hakai is able to control epithelial-mesenchymal transitions under physiological and pathological conditions. |
| References | 1. Fujita, Y et al; Hakai, a c-Cbl-like protein, ubiquitinates and induces endocytosis of the E-cadherin complex. Nat Cell Biol 2002, 4: 222 |
| Storage&stability | Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year. |
| Precautions | For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product. |

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
31/03/2021

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.