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Datasheet for ABIN6719294
anti-CKAP5 antibody (AA 1-221)

Overview

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| Quantity: | 100 µg |
| Target: | CKAP5 |
| Binding Specificity: | AA 1-221 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

Product Details

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|-----------------------------|--|
| Purpose: | Rabbit IgG polyclonal antibody for ch TOG/CKAP5 detection. Tested with WB, IHC-P, ICC/IF, Direct ELISA in Human,Mouse,Rat. |
| Immunogen: | E.coli-derived human ch TOG/CKAP5 recombinant protein (Position: M1-L221). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for ch TOG/CKAP5 detection. Tested with WB, IHC-P, ICC/IF, Direct ELISA in Human,Mouse,Rat. |
| Purification: | Immunogen affinity purified. |

Target Details

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|---------|-------|
| Target: | CKAP5 |
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Target Details

Alternative Name: CKAP5 ([CKAP5 Products](#))

Background: Synonyms: Cytoskeleton-associated protein 5, Colonic and hepatic tumor overexpressed gene protein, Ch-TOG, CKAP5, KIAA0097

Background: Cytoskeleton-associated protein 5 is a microtubule-associated protein that in humans is encoded by the CKAP5 gene. It is mapped to 11p11.2. This gene encodes a cytoskeleton-associated protein which belongs to the TOG/XMAP215 family. The N-terminal half of this protein contains a microtubule-binding domain and the C-terminal half contains a KXGS motif for binding tubulin dimers. This protein has two distinct roles in spindle formation, it protects kinetochore microtubules from depolymerization and plays an essential role in centrosomal microtubule assembly. This protein may be necessary for the proper interaction of microtubules with the cell cortex for directional cell movement. It also plays a role in translation of the myelin basic protein (MBP) mRNA by interact ernatively spliced transcript variants encoding different isoforms have been identified.

Gene ID: 9793

UniProt: [Q14008](#)

Pathways: [M Phase](#)

Application Details

Application Notes: Application details: Western blot|0.1-0.5 µg/mL Immunohistochemistry(Paraffin-embedded Section)|0.5-1 µg/mL Immunocytochemistry/Immunofluorescence|2 µg/mL Direct ELISA|0.1-0.5 µg/mL

Comment: Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Handling

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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |