

Recombinant Human Septin 2 protein ab99296

1 References [画像数 1](#)

製品の詳細

製品名	Recombinant Human Septin 2 protein
精製度	> 90 % SDS-PAGE. ab99296 is purified using conventional chromatography techniques.
発現系	Escherichia coli
アクセッション番号	<u>Q15019</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MGSSHHHHHHSSGLVPRGSHMSKQQPTQFINPETPGYVGF ANLPNQVHRK SVKKGFEFTLMVVGESGLGKSTLINSFLTDLYPERVISGAA EKIERTVQ IEASTVEIEERGVLRLTVVDTPGYGDAINCRDCFKTIISYI DEQFERYL HDEGLNRRHIIDNRVHCCFYFISPFHGHLKPLDVAFMKAIH NKNIVPV IAKADTLTLKERERLKKRILDEIEEHNIKIYHLPDAESDEDE DFKEQTRL LKASIPFSVVGSNQLIEAKGKKVRGRLYPWGVVEVENPEHND FLKLRTML ITHMQDLQEVTDLHYENFRSERLKRGRKVENEDMNKDQIL LEKEAELR RMQEMIARMQAQMGMQGGDGDGGALGHV</p>
予測される分子量	44 kDa including tags
領域	1 to 361
タグ	His tag N-Terminus

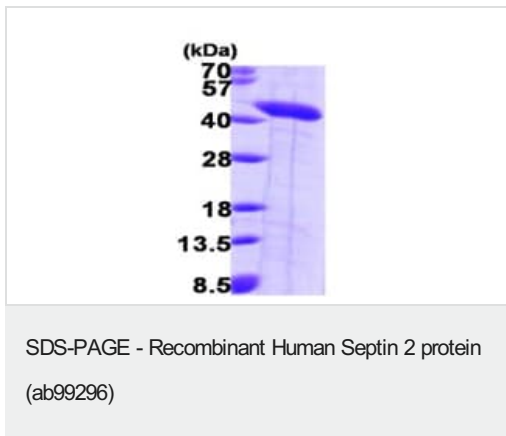
特性

Our **Abpromise guarantee** covers the use of **ab99296** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション SDS-PAGE

	Mass Spectrometry
質量分析	MALDI-TOF
製品の状態	Liquid
前処理および保存	
保存方法および安定性	<p>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</p> <p>pH: 8.00</p> <p>Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride</p>
関連情報	
機能	<p>Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Plays a role in the biogenesis of polarized columnar-shaped epithelium by maintaining polyglutamylated microtubules, thus facilitating efficient vesicle transport, and by impeding MAP4 binding to tubulin. Required for the progression through mitosis. Forms a scaffold at the midplane of the mitotic spindle required to maintain CENPE localization at kinetochores and consequently chromosome congression. During anaphase, may be required for chromosome segregation and spindle elongation. Plays a role in ciliogenesis and collective cell movements. In cilia, required for the integrity of the diffusion barrier at the base of the primary cilium that prevents diffusion of transmembrane proteins between the cilia and plasma membranes: probably acts by regulating the assembly of the tectonic-like complex (also named B9 complex) by localizing TMEM231 protein. May play a role in the internalization of 2 intracellular microbial pathogens, <i>Listeria monocytogenes</i> and <i>Shigella flexneri</i>.</p>
組織特異性	Widely expressed. Up-regulated in liver cancer.
配列類似性	<p>Belongs to the TRAFAC class TrmE-Era-EngA-EngB-Septin-like GTPase superfamily. Septin GTPase family.</p> <p>Contains 1 septin-type G (guanine nucleotide-binding) domain.</p>
細胞内局在	<p>Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore. Cleavage furrow. Midbody. Cytoplasm, cell cortex. Cell projection, cilium membrane. In metaphase cells, localized within the microtubule spindle. At the metaphase plate, in close apposition to the kinetochores of the congressed chromosomes. In cells undergoing cytokinesis, localized to the midbody, the ingressing cleavage furrow, and the central spindle. During bacterial infection, displays a collar shape structure next to actin at the pole of invading bacteria. In epithelial cells, colocalizes with polyglutamylated tubulin around the trans-Golgi network, as well as juxtanuclear and proximal Golgi apparatus. Localizes at the base of the cilia near the morphological distinction between the cilia and plasma membranes.</p>
画像	



15% SDS-PAGE showing ab99296 (3 μ g).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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