

Recombinant Human GABARAPL1 protein ab101641

画像数 1

製品の詳細

製品名	Recombinant Human GABARAPL1 protein
精製度	> 85 % SDS-PAGE. ab101641 was purified using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.
発現系	Escherichia coli
アクセッション番号	<u>Q9H0R8</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MGSSHHHHHSSGLVPRGSHMKFQYKEDHPFEYRKKEGEK IRKKYPDRV VIVEKAPKARVPDLDRKYLVPSDLTVGQFYFLIRKRIHLRP EDALFFV NNTIPPTSATMGQLYEDNHEEDYFLYVAYSDESVMGK
予測される分子量	16 kDa including tags
領域	1 to 117
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab101641** 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 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

関連情報

機能

Ubiquitin-like modifier that increases cell-surface expression of kappa-type opioid receptor through facilitating anterograde intracellular trafficking of the receptor. Involved in formation of autophagosomal vacuoles. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.

組織特異性

Ubiquitous. Expressed at very high levels in the brain, heart, peripheral blood leukocytes, liver, kidney, placenta and skeletal muscle. Expressed at very low levels in thymus and small intestine. In the brain, expression is particularly intense in motoneurons in the embryo and in neurons involved in somatomotor and neuroendocrine functions in the adult, particularly in the substantia nigra pars compacta.

配列類似性

Belongs to the ATG8 family.

翻訳後修飾

The precursor molecule is cleaved by ATG4B to form the cytosolic form, GABARAPL1-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form the membrane-bound form, GABARAPL1-II (By similarity). ATG4B also mediates the delipidation required for GABARAPL1 recycling when autophagosomes fuse with lysosomes.

The Legionella effector RavZ is a deconjugating enzyme that produces an ATG8 product that would be resistant to re-conjugation by the host machinery due to the cleavage of the reactive C-terminal glycine.

細胞内局在

Cytoplasm > cytoskeleton. Cytoplasmic vesicle membrane. Endoplasmic reticulum. Golgi apparatus. Cytoplasmic vesicle > autophagosome.

画像



ab101641 at 3 µg analysed by 15% SDS PAGE.

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