

Product datasheet

Recombinant Human GABARAP protein ab116475

製品の概要

製品名	Recombinant Human GABARAP protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli

アミノ酸配列

アクセッション番号 [O95166](#)

生物種 Human

配列
 MGSSHHHHHSSGLVPRGSHMKFVYKKEEHPFEKRRSEGEKIRKKYPDRVP
 VIVEKAPKARIGDLDKKKYLVPSDLTVGQFYFLIRKRIHLRAEDALFFFV
 NNVIPPTSATMGQLYQEHHEEDFFLYIAYSDESIVYGL

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 **ab116475** 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
精製度	> 95 % SDS-PAGE. ab116475 is purified by proprietary chromatographic techniques.
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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.24% Tris, 20% Glycerol, 1.17% Sodium chloride
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関連情報

機能	Ubiquitin-like modifier that plays a role in intracellular transport of GABA(A) receptors and its interaction with the cytoskeleton. Involved in apoptosis. Involved in autophagy. 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	Heart, brain, placenta, liver, skeletal muscle, kidney and pancreas.
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, GABARAP-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form the membrane-bound form, GABARAP-II.
細胞内局在	Endomembrane system. Cytoplasm, cytoskeleton. Golgi apparatus membrane. Cytoplasmic vesicle, autophagosome. Largely associated with intracellular membrane structures including the Golgi apparatus and postsynaptic cisternae. Colocalizes with microtubules (By similarity). Localizes also to discrete punctae along the ciliary axoneme (By similarity).

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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