

Product datasheet

Recombinant Human SQSTM1 / p62 protein ab95320

1 图像

概述

产品名称	重组人SQSTM1 / p62蛋白
蛋白长度	Protein fragment

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

种属	Human
序列	MAMSYVKDDI FRIYIKEKKE CRRDHRPPCA QEAPRNMVHP NVICDGCNGP VVGTRYKCSV CPDYDLC SVC EGKGLHRGHT KLAFPSPFGH LSEGFHSRW LRKVKHGHFG WPGWEMGPPG NWSRPPRAG EARPGPTAES ASGPSEDPSV NFLKNVGESV AAALSPLGIE VDIDVEHGK RSRLTPVSPE SSSTEEKSSS QPSSCCSDPS KPGGNVEGAT QSLAEQMRKI ALESEGRPEE QMESDNCSGG DDDWTHLSSK EVDPSTGELQ SLQMPSEGP SSLDPSQEGP TGLKEAALYP HLPPEADPRL IESLSQMLSM GFSDEGGWLT RLQLTKNYDI GAALDTIQYS KHPPPLLEHH HHHH
氨基酸	1 to 356

技术指标

Our [Abpromise guarantee](#) covers the use of **ab95320** in the following tested applications.

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

应用	SDS-PAGE Mass Spectrometry
纯度	> 90 % SDS-PAGE. ab95320 is purified using conventional chromatography techniques
形式	Liquid

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None

Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0

常规信息

功能

Adapter protein which binds ubiquitin and may regulate the activation of NFκB1 by TNF-α, nerve growth factor (NGF) and interleukin-1. May play a role in titin/TTN downstream signaling in muscle cells. May regulate signaling cascades through ubiquitination. Adapter that mediates the interaction between TRAF6 and CYLD (By similarity). May be involved in cell differentiation, apoptosis, immune response and regulation of K(+) channels.

组织特异性

Ubiquitously expressed.

疾病相关

Defects in SQSTM1 are a cause of Paget disease of bone (PDB) [MIM:602080]. PDB is a metabolic bone disease affecting the axial skeleton and characterized by focal areas of increased and disorganized bone turn-over due to activated osteoclasts. Manifestations of the disease include bone pain, deformity, pathological fractures, deafness, neurological complications and increased risk of osteosarcoma. PDB is a chronic disease affecting 2 to 3% of the population above the age of 40 years.

序列相似性

Contains 1 OPR domain.

Contains 1 UBA domain.

Contains 1 ZZ-type zinc finger.

结构域

The UBA domain binds specifically 'Lys-63'-linked polyubiquitin chains of polyubiquitinated substrates. Mediates the interaction with TRIM55.

The OPR domain mediates homooligomerization and interactions with PRKCZ, PRKCI, MAP2K5 and NBR1.

The ZZ-type zinc finger mediates the interaction with RIPK1.

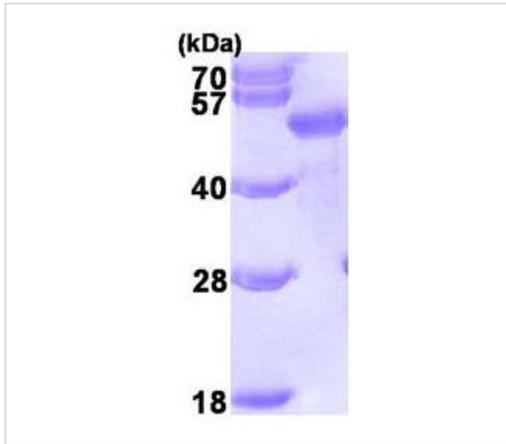
翻译后修饰

Phosphorylated. May be phosphorylated by PRKCZ (By similarity). Phosphorylated in vitro by TTN.

细胞定位

Cytoplasm. Late endosome. Nucleus. Sarcomere (By similarity). In cardiac muscles localizes to the sarcomeric band (By similarity). Localizes to late endosomes. May also localize to the nucleus. Accumulates in neurofibrillary tangles and in Lewy bodies of neurons from individuals with Alzheimer and Parkinson disease respectively. Enriched in Rosenthal fibers of pilocytic astrocytoma. In liver cells, accumulates in Mallory bodies associated with alcoholic hepatitis, Wilson disease, indian childhood cirrhosis and in hyaline bodies associated with hepatocellular carcinoma.

图片



ab95320 at 3 µg on an SDS-PAGE gel (15%).

SDS-PAGE - SQSTM1 / p62 protein (His tag)
(ab95320)

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