

Product datasheet

Anti-SQSTM1 / p62 antibody [5D5] ab119409

6 图像

概述

产品名称	Anti-SQSTM1 / p62抗体[5D5]
描述	小鼠单克隆抗体[5D5] to SQSTM1 / p62
宿主	Mouse
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Full length recombinant protein of Human SQSTM1/ p62 produced in HEK293T cell.
阳性对照	HEK293T cells transfected with SQSTM1/p62 cDNA; HepG2, HeLa, A549, MCF7 cell lysates, Human prostate tissue, Adenocarcinoma of Human endometrium tissue, Adenocarcinoma of Human ovary tissue, Carcinoma of Human thyroid tissue.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 50% Glycerol, 1% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from mouse ascites fluids by affinity chromatography.
克隆	单克隆
克隆编号	5D5
同种型	IgG2b

应用

Our [Abpromise guarantee](#) covers the use of **ab119409** in the following tested applications.

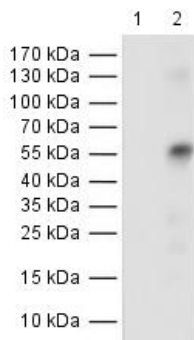
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/500 - 1/2000. Predicted molecular weight: 48 kDa.
IHC-P		1/150.

靶标

功能	Adapter protein which binds ubiquitin and may regulate the activation of NFkB1 by TNF-alpha, 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



Western blot - Anti-SQSTM1 / p62 antibody [5D5]
(ab119409)

All lanes : Anti-SQSTM1 / p62 antibody [5D5]
(ab119409) (1/500)

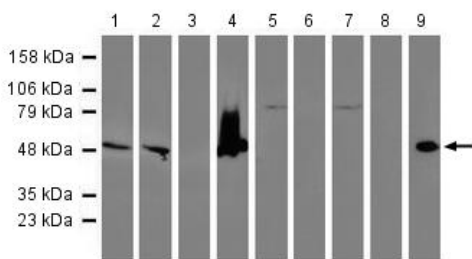
Lane 1 : HEK293T cells transfected with control cDNA for 48 hours

Lane 2 : HEK293T cells transfected with SQSTM1 / p62 cDNA for 48 hours

Lysates/proteins at 5 µg per lane.

Predicted band size: 48 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC203843)



Western blot - Anti-SQSTM1 / p62 antibody [5D5]
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All lanes : Anti-SQSTM1 / p62 antibody [5D5]
(ab119409) (1/500)

Lane 1 : HepG2 lysate

Lane 2 : HeLa lysate

Lane 3 : SVT2 lysate

Lane 4 : A549 lysate

Lane 5 : COS7 lysate

Lane 6 : Jurkat lysate

Lane 7 : MDCK lysate

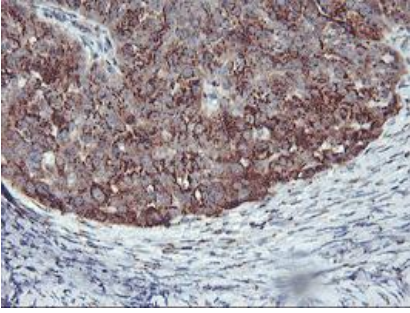
Lane 8 : PC12 lysate

Lane 9 : MCF7 lysate

Lysates/proteins at 35 µg per lane.

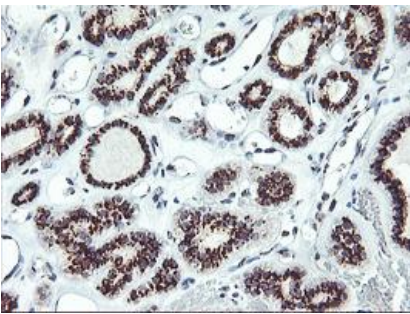
Predicted band size: 48 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC203843)



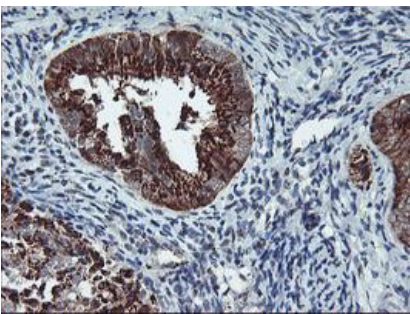
Immunohistochemical staining of SQSTM1 / p62, using ab119409 at 1/150, in paraffin-embedded Adenocarcinoma of Human ovary tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SQSTM1 / p62 antibody [5D5] (ab119409)



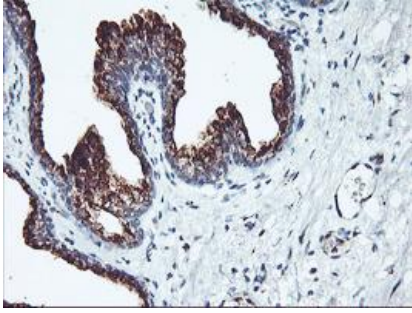
Immunohistochemical staining of SQSTM1 / p62, using ab119409 at 1/150, in paraffin-embedded Carcinoma of Human thyroid tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SQSTM1 / p62 antibody [5D5] (ab119409)



Immunohistochemical staining of SQSTM1 / p62, using ab119409 at 1/150, in paraffin-embedded Adenocarcinoma of Human endometrium tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SQSTM1 / p62 antibody [5D5] (ab119409)



Immunohistochemical staining of SQSTM1 / p62, using ab119409 at 1/150, in paraffin-embedded Human prostate tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SQSTM1 / p62 antibody [5D5] (ab119409)

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