

Product datasheet

Human HtrA2 / Omi peptide ab39838

概述

产品名称 人HtrA2 / Omi肽

描述

性质 Synthetic

氨基酸序列

种属 Human

技术指标

Our [Abpromise guarantee](#) covers the use of **ab39838** in the following tested applications.

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

应用 Blocking - Blocking peptide for Anti-HtrA2 / Omi antibody ([ab36854](#))
Western blot

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. Avoid freeze / thaw cycles.

Preservative: 0.02% Sodium Azide
Constituents: 0.1% BSA, PBS, pH 7.2

常规信息

功能 Serine protease that shows proteolytic activity against a non-specific substrate beta-casein. Promotes or induces cell death either by direct binding to and inhibition of BIRC proteins (also called inhibitor of apoptosis proteins, IAPs), leading to an increase in caspase activity, or by a BIRC inhibition-independent, caspase-independent and serine protease activity-dependent mechanism. Cleaves THAP5 and promotes its degradation during apoptosis. Isoform 2 seems to be proteolytically inactive.

组织特异性 Isoform 1 is ubiquitous. Isoform 2 is expressed predominantly in the kidney, colon and thyroid.

疾病相关 Defects in HTRA2 are the cause of Parkinson disease type 13 (PARK13) [MIM:610297]. A

complex neurodegenerative disorder characterized by bradykinesia, resting tremor, muscular rigidity and postural instability, as well as by a clinically significant response to treatment with levodopa. The pathology involves the loss of dopaminergic neurons in the substantia nigra and the presence of Lewy bodies (intraneuronal accumulations of aggregated proteins), in surviving neurons in various areas of the brain.

序列相似性

Belongs to the peptidase S1B family.
Contains 1 PDZ (DHR) domain.

结构域

The mature N-terminus is involved in the interaction with XIAP.
The PDZ domain mediates interaction with MXI2.

翻译后修饰

Autoproteolytically activated.

细胞定位

Mitochondrion intermembrane space. Mitochondrion membrane. Predominantly present in the intermembrane space. Released into the cytosol following apoptotic stimuli, such as UV treatment, and stimulation of mitochondria with caspase-8 truncated BID/tBID.

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