

Product datasheet

Human STUB1 peptide ab4934

製品の概要

製品名 Human STUB1 peptide

製品の詳細

由来 Synthetic

アミノ酸配列

生物種 Human

配列 VDEKRKKRDIPDYLC

領域 281 to 232

特性

Our [Abpromise guarantee](#) covers the use of **ab4934** 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 Blocking - Blocking peptide for Anti-STUB1 antibody ([ab2917](#))

製品の状態 Liquid

備考

This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and human CHIP, catalog [ab2917](#). Using a solution of peptide of equal volume and concentration to the corresponding antibody will yield a large molar excess of peptide (~70-fold) for competitive inhibition of antibody-protein binding reactions.

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 and store at -20°C. Avoid freeze / thaw cycles.

関連情報

機能

E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation. Ubiquitinates NOS1 in concert with Hsp70 and Hsp40. Modulates the activity of several chaperone complexes, including Hsp70, Hsc70 and Hsp90. Mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. Mediates

polyubiquitination of DNA polymerase beta (POLB) at 'Lys-41', 'Lys-61' and 'Lys-81', thereby playing a role in base-excision repair: catalyzes polyubiquitination by amplifying the HUWE1/ARF-BP1-dependent monoubiquitination and leading to POLB-degradation by the proteasome. Mediates polyubiquitination of CYP3A4.

組織特異性	Highly expressed in skeletal muscle, heart, pancreas, brain and placenta. Detected in kidney, liver and lung.
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Contains 3 TPR repeats. Contains 1 U-box domain.
ドメイン	The TPR domain is essential for ubiquitination mediated by UBE2D1.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR. Auto-ubiquitinated; mediated by UBE2D1 and UBE2D2.
細胞内局在	Cytoplasm.

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