

## Product datasheet

# Human IRSp53 peptide ab23256

### 製品の概要

**製品名** Human IRSp53 peptide

### 製品の詳細

**由来** Synthetic

**アミノ酸配列**

**生物種** Human

**配列** C-SGSGTLVSTV

**領域** 512 to 520

### 特性

Our [Abpromise guarantee](#) covers the use of **ab23256** 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-IRSp53 antibody - C-terminal ([ab15697](#))

**製品の状態** Liquid

**備考** Protein previously known as BAIAP2.

### 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 or -80°C. Avoid repeated freeze / thaw cycles.

### 関連情報

**機能** Adapter protein that links membrane-bound small G-proteins to cytoplasmic effector proteins. Necessary for CDC42-mediated reorganization of the actin cytoskeleton and for RAC1-mediated membrane ruffling. Involved in the regulation of the actin cytoskeleton by WASF family members and the Arp2/3 complex. Plays a role in neurite growth. Acts synergetically with ENAH to promote filipodia formation.

**組織特異性** Isoform 1 and isoform 4 are expressed almost exclusively in brain. Isoform 4 is barely detectable in placenta, prostate and testis. A short isoform is ubiquitous, with the highest expression in liver, prostate, testis and placenta.

<b>配列類似性</b>	Contains 1 IMD (IRSp53/MIM homology) domain. Contains 1 SH3 domain.
<b>ドメイン</b>	The IMD domain forms a coiled coil. The isolated domain can induce actin bundling and filopodia formation. In the absence of G-proteins intramolecular interaction between the IMD and the SH3 domain gives rise to an auto-inhibited state of the protein. Interaction of the IMD with RAC1 or CDC42 leads to activation. The SH3 domain interacts with ATN1, BAI1, WASF1, WASF2, SHANK1, DIAPH1 and ENAH.
<b>翻訳後修飾</b>	Phosphorylated on tyrosine residues by INSR in response to insulin treatment.
<b>細胞内局在</b>	Cytoplasm. Membrane. Cell projection > filopodium. Cell projection > ruffle. Detected throughout the cytoplasm in the absence of specific binding partners. Detected in filopodia and close to membrane ruffles.

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