

MMP14 peptide ab185123

製品の詳細

製品名	MMP14 peptide
アクセッション番号	<u>P50281</u>
Animal free	No
由来	Synthetic

特性

Our **Abpromise guarantee** covers the use of **ab185123** 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-MMP14 antibody [EP1264Y] (<u>ab51074</u>)
製品の状態	Lyophilized
備考	<p>- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.</p> <p>- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.</p> <p>- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.</p> <p>- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.</p> <p>- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.</p>

前処理および保存

保存方法および安定性	Shipped at 4°C. Store at -20°C. Information available upon request.
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関連情報

機能	Seems to specifically activate progelatinase A. May thus trigger invasion by tumor cells by activating progelatinase A on the tumor cell surface. May be involved in actin cytoskeleton reorganization by cleaving PTK7.
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組織特異性	Expressed in stromal cells of colon, breast, and head and neck. Expressed in lung tumors.
配列類似性	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
ドメイン	The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
翻訳後修飾	The precursor is cleaved by a furin endopeptidase.
細胞内局在	Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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