

### Glutamate Receptor 1 (AMPA subtype) peptide ab219618

#### 製品の詳細

製品名	Glutamate Receptor 1 (AMPA subtype) peptide
精製度	> 90 % n/a.
アクセッション番号	<b>P42261</b>
Animal free	No
由来	Synthetic

#### 特性

Our **Abpromise guarantee** covers the use of **ab219618** 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-Glutamate Receptor 1 (AMPA subtype) antibody [EPR5479] ( <b>ab109450</b> )
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製品の状態	Lyophilized
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備考	<p>Reconstitution instructions:</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.</li> <li>- 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.</li> <li>- 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.</li> <li>- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.</li> </ul>
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#### 前処理および保存

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

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機能	Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist.
組織特異性	Widely expressed in brain.
配列類似性	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIA1 subfamily.
翻訳後修飾	Palmitoylated. Depalmitoylated upon glutamate stimulation. Cys-603 palmitoylation leads to Golgi retention and decreased cell surface expression. In contrast, Cys-829 palmitoylation does not affect cell surface expression but regulates stimulation-dependent endocytosis.
細胞内局在	Cell membrane. Endoplasmic reticulum membrane. Cell junction > synapse > postsynaptic cell membrane. Interaction with CACNG2 promotes cell surface expression.

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

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