

## Product datasheet

# Anti-SNAP25 antibody ab231641

[2 Images](#)

### Overview

<b>Product name</b>	Anti-SNAP25 antibody
<b>Description</b>	Rabbit polyclonal to SNAP25
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human, Pig <b>Predicted to work with:</b> Rat, Chicken, Cow, Chimpanzee, Rhesus monkey, Orangutan
<b>Immunogen</b>	Recombinant full length protein (His-tag) corresponding to Human SNAP25 aa 1-206. (Expressed in E.coli). 100% homologous to SNAP25 from Mouse and Rat. Sequence:  MAEDADMRNELEEMQRRADQLADESLESTRMLQLV EESKDAGIRTLVML DEQGEQLERIEEGMDQINKDMKEAEKNLTDLGKFCGL CVCPCNKLKSSDA YKKAWGNNQDGVVASQPARVVDEREQMAISGGFIRR VTNDARENEMDENL EQVSGIGNLRHMALDMGNEIDTQNRQIDRIMEKADSNK TRIDEANQRATKMLGSG  Database link: <a href="#">P60880</a>  <div style="text-align: right;"> <a href="#">Run BLAST with</a>       <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	WB: Recombinant human SNAP25 protein; Mouse spinal cord and cerebellum tissue; Pig brain tissue.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
<b>Purity</b>	Immunogen affinity purified

<b>Purification notes</b>	ab231641 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab231641** in the following tested applications.

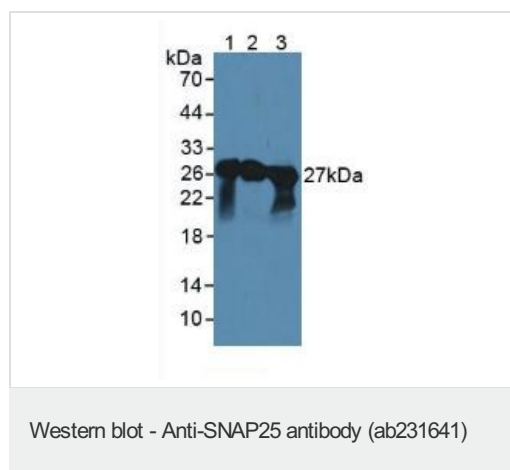
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 23 kDa.

## Target

<b>Function</b>	t-SNARE involved in the molecular regulation of neurotransmitter release. May play an important role in the synaptic function of specific neuronal systems. Associates with proteins involved in vesicle docking and membrane fusion. Regulates plasma membrane recycling through its interaction with CENPF.
<b>Tissue specificity</b>	Neurons of the neocortex, hippocampus, piriform cortex, anterior thalamic nuclei, pontine nuclei, and granule cells of the cerebellum.
<b>Sequence similarities</b>	Belongs to the SNAP-25 family. Contains 2 t-SNARE coiled-coil homology domains.
<b>Post-translational modifications</b>	Palmitoylated. Cys-85 appears to be the main site, and palmitoylation is required for membrane association.
<b>Cellular localization</b>	Cytoplasm > perinuclear region. Cell membrane. Cell junction > synapse > synaptosome. Membrane association requires palmitoylation. Expressed throughout cytoplasm, concentrating at the perinuclear region.

## Images



**All lanes** : Anti-SNAP25 antibody (ab231641) at 1 µg/ml

**Lane 1** : Mouse spinal cord lysate.

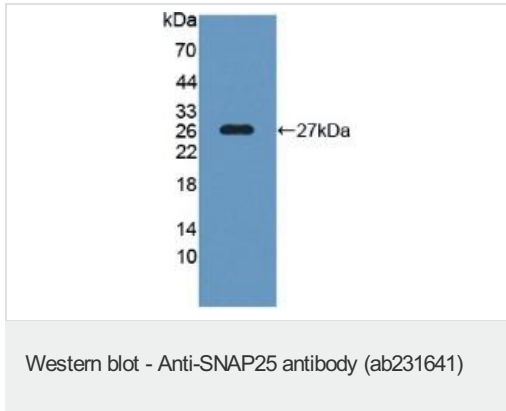
**Lane 2** : Mouse cerebellum lysate.

**Lane 3** : Pig brain lysate.

### Secondary

**All lanes** : HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

**Predicted band size:** 23 kDa



Anti-SNAP25 antibody (ab231641) at 1 µg/ml + Recombinant human SNAP25 protein

**Secondary**

HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

**Predicted band size:** 23 kDa

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

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