

## Product datasheet

# Anti-Syntaxin 13 antibody [15G2] ab18011

### 1 References

#### 概述

产品名称	Anti-Syntaxin 13抗体[15G2]
描述	小鼠单克隆抗体[15G2] to Syntaxin 13
宿主	Mouse
特异性	ab18011 identifies recombinant rat syntaxin 13 as an ~38kD protein (corresponding to the predicted band). Additional bands of 27 and 37kD may also be recognized and are believed to correspond to degradation products of syntaxin 13. The clone number has been updated from (4E+212) to (15G2 ) both clone numbers name the same antibody clone.
经测试应用	<b>适用于:</b> WB <b>不适用于:</b> ICC/IF
种属反应性	<b>与反应:</b> Mouse, Rat, Hamster, Dog
免疫原	Recombinant fragment (Rat Syntaxin 13 cytoplasmic domain).
阳性对照	Rat or mouse brain extract.

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 50% Glycerol, PBS, 0.1mM PMSF
纯度	Protein G purified
克隆	单克隆
克隆编号	15G2
骨髓瘤	NS1
同种型	IgG

#### 应用

Our [Abpromise guarantee](#) covers the use of **ab18011** in the following tested applications.

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

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 38 kDa.

**应用说明** Is unsuitable for ICC/IF.

## 靶标

**相关性** Syntaxin 13 is an integral membrane protein that belongs to the t-SNARE family, a group of proteins involved in protein transport. Confocal immunofluorescence and electron microscopy studies have shown that syntaxin 13 is primarily localized to tubular early and recycling endosomes, where it colocalizes with transferrin receptor, and it is also localized in endosomal vacuoles. Syntaxin 13 has been found to be expressed in all tissues, with higher levels of the protein found in brain, lung, spleen, thymus and testes. Immunoprecipitation studies show that syntaxin 13 complexes with beta-SNAP, VAMP2/3, and SNAP25. The binding of this complex to alpha-SNAP and NSF is terminated in the presence of ATP. These results suggest that syntaxin 13 is a SNARE protein which mediates the recycling protein flow through tubulo vesicular recycling endosomes.

**细胞定位** Tubular early and recycling endosomes and endosomal vacuoles.

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