





Anti-S100 antibody ab34686

★★★★★ [4 Abreviews](#) [7 References](#) [4 图像](#)

概述

产品名称	Anti-S100抗体
描述	兔多克隆抗体to S100
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Rat, Cow, Human 预测可用于: Dog, Non human primates, Mammals 
免疫原	Full length native protein (purified): MGSELETAME TLINVFHAHS GKEGDKYKLS KKEKELLQT ELSGFLDAQK DADAVDKVMK ELDENG DGEV DFQEYVVLVA ALTVACNNFF WENS, corresponding to amino acids 1-94 of Cow S100 (alpha chain). A mixture of alpha alpha homodimers and alpha beta heterodimers was used.  Run BLAST with  Run BLAST with 
常规说明	<p>Please note that lot 296545 is supplied at 0.5mg/ml.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
纯度	Protein A purified
纯化说明	This antibody was purified from monospecific antiserum.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab34686 于以下的经测试应用

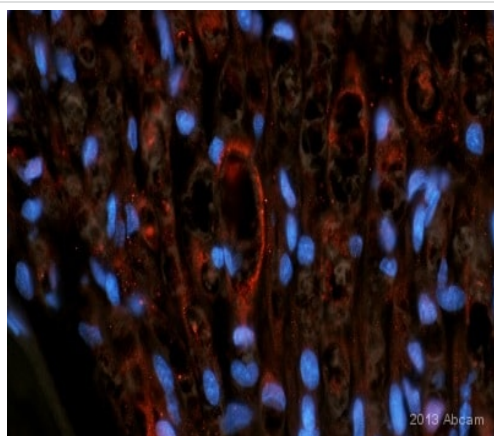
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
WB		Use a concentration of 1.67 - 10 µg/ml. Detects a band of approximately 11 kDa.
IHC-P	★★★★★ (4)	Use a concentration of 2.5 - 25 µg/ml.

靶标

功能	Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites.
组织特异性	Highly prevalent in heart. Also found in lesser quantities in skeletal muscle and brain.
序列相似性	Belongs to the S-100 family. Contains 2 EF-hand domains.
细胞定位	Cytoplasm.

图片



ab34686 staining S100 in Rat nerve tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 10% serum for 30 minutes at 25°C; antigen retrieval was by heat mediation in a 10mM citrate buffer, pH 6.0. Samples were incubated with primary antibody (1/250 in PBS + 1x casein) for 1 hour at 25°C. A Biotin-conjugated Goat anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100 antibody (ab34686)

This image is courtesy of an anonymous Abreview



Western blot - Anti-S100 antibody (ab34686)

All lanes : Anti-S100 antibody (ab34686) at 1/1000 dilution

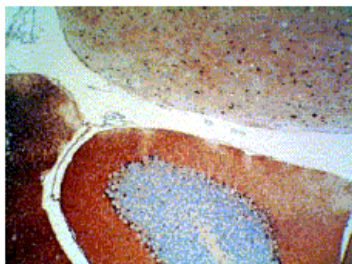
Lane 1 : Bovine S100 monomer at 0.1 μ g

Lane 2 : S100 from rat brain lysate at 35 μ g

Secondary

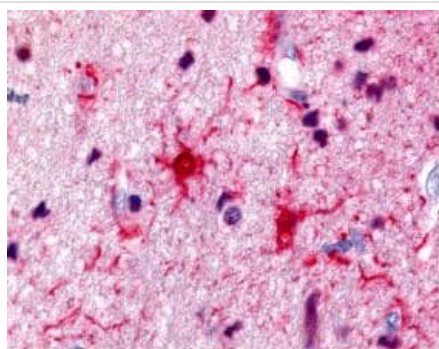
All lanes : IRDye 800 conjugated Gt-a-Rabbit IgG [H&L] MX

Observed band size: 11 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100 antibody (ab34686)

Ab34686, at a 1/500 dilution, staining S100 in mouse brain tissue by immunohistochemistry. The tissue was formalin fixed and embedded in paraffin. Dark nuclear staining is observed within basket cells located near the Purkinje cells in the cerebellum.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100 antibody (ab34686)

Ab34686, at 1/500 dilution, staining S100 in formalin fixed and paraffin embedded human brain astrocyte tumor tissue by immunohistochemistry.

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