


Product datasheet

Anti-CD82 antibody ab66400

★★★★★ [4 Abreviews](#) [9 References](#) [3 Images](#)

Overview

Product name	Anti-CD82 antibody
Description	Rabbit polyclonal to CD82
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Synthetic peptide corresponding to Human CD82 aa 250 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab71584)
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab66400 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	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 34 kDa (predicted molecular weight: 30 kDa).
IHC-P	★★★★★ (2)	1/50 - 1/80. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function

Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway.

Tissue specificity

Lymphoid specific.

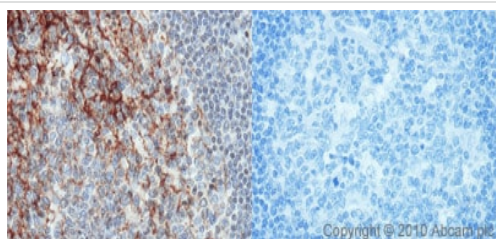
Sequence similarities

Belongs to the tetraspanin (TM4SF) family.

Cellular localization

Membrane.

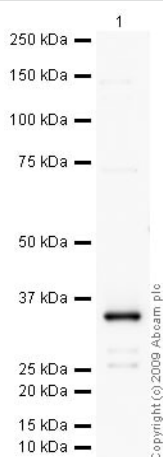
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD82 antibody (ab66400)

ab66400 (1:80) staining CD82 in paraffin-embedded human tonsil tissue (left panel) using an automated system (Ventana Discovery). Right hand panel shows negative control (no primary antibody). Using this protocol there is strong membrane staining of follicular dendritic cells, and the FDC network forming the structure of germinal centres is clearly highlighted by this antibody. There is associated weak staining of smaller cells in the interfollicular areas which may be T cells.

Sections were rehydrated and antigen retrieved in CC1 Cell Conditioning Buffer using Ventana Standard Retrieval programme. Slides were blocked in 3% H₂O₂ / 4 min / 37°C and incubated with ab66400 (1:80 dilution / 1 hour / 37°C). Sections then blocked (4mins / 37°C) and incubated with Dako swine anti-rabbit antibody (1:50, 28 min / 37°C). Staining was amplified and detected by incubation with Ventana Streptavidin ABC system (16 min / 37°



Western blot - Anti-CD82 antibody (ab66400)

Anti-CD82 antibody (ab66400) at 1 µg/ml + Human brain tissue lysate - total protein ([ab29466](#)) at 10 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

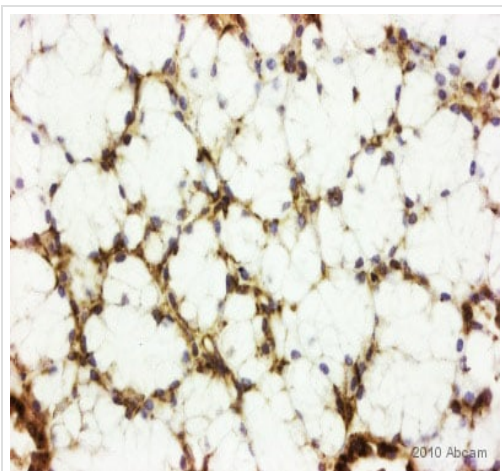
Performed under reducing conditions.

Predicted band size: 30 kDa

Observed band size: 34 kDa

Exposure time: 2 minutes

CD82 contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD82 antibody (ab66400)

This image is courtesy of an abreview submitted by Antibody Solutions Ltd.

ab66400 (1/50) staining CD82 in paraffin-embedded Mouse salivary gland tissue. Tissue underwent fixation in formaldehyde, peroxidase blocking, protein blocking and heat mediated antigen retrieval. The secondary antibody was goat anti rabbit/mouse conjugated to HRP. For further experimental details please refer to abreview.

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