

Product datasheet

Anti-CD2 antibody [SP304] ab227698

Recombinant **RabMAb**

[13 Images](#)

Overview

Product name	Anti-CD2 antibody [SP304]
Description	Rabbit monoclonal [SP304] to CD2
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human tonsil, thymus, colon, stomach, stomach adenocarcinoma, colon adenocarcinoma, lung squamous cell carcinoma, lung adenocarcinoma, uterus and cervical squamous cell carcinoma tissue.
General notes	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP304
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab227698 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
IHC-P		1/100. Boil tissue section in EDTA buffer, pH 8.0 for 10 minutes followed by cooling at room temperature for 20 minutes. Incubate with primary antibody for 10 minutes at room temperature.

Target

Function

CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.

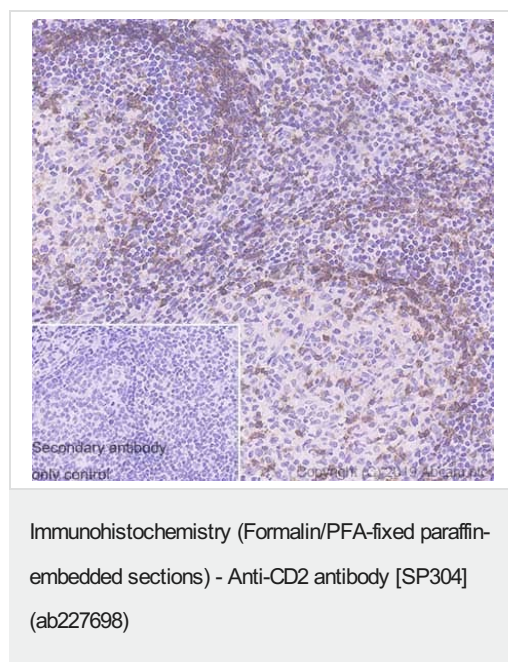
Sequence similarities

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

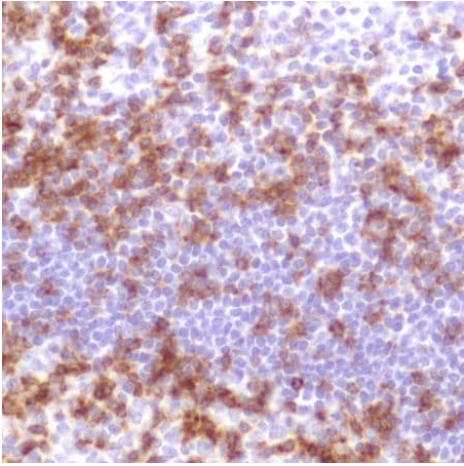
Cellular localization

Membrane.

Images

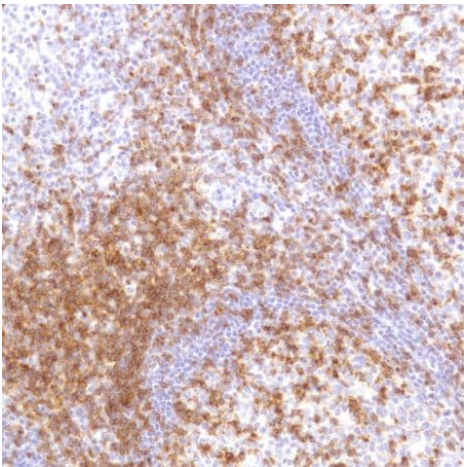


Immunohistochemistry analysis of paraffin-embedded human tonsil tissue sections labelling CD2 with ab227698 at 1/100 dilution. The section was incubated with ab227698 for 10 mins at room temperature. LeicaDS9800 (Bond™ Polymer Refine Detection) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins. Positive staining on the human tonsil tissue, performed on a Leica Biosystems BOND® RX instrument.



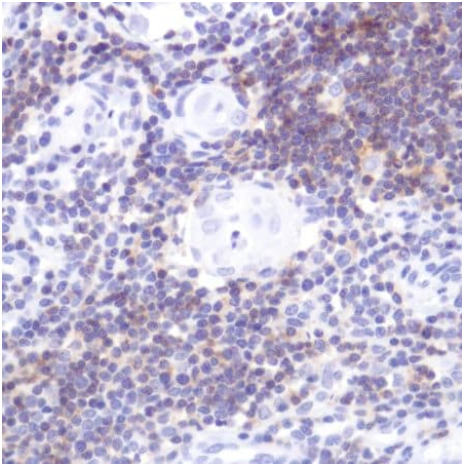
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.



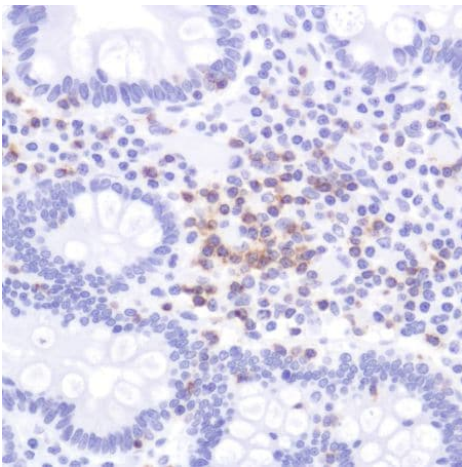
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.



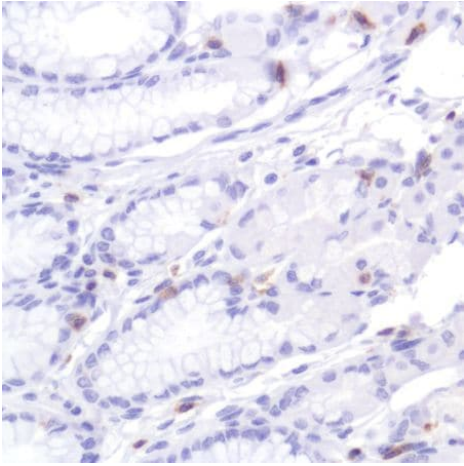
Formalin-fixed, paraffin-embedded human thymus tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)



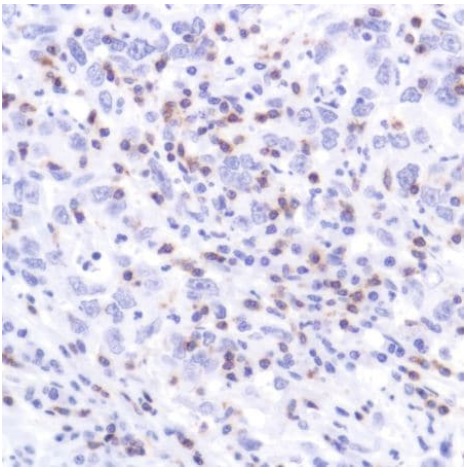
Formalin-fixed, paraffin-embedded human colon tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)



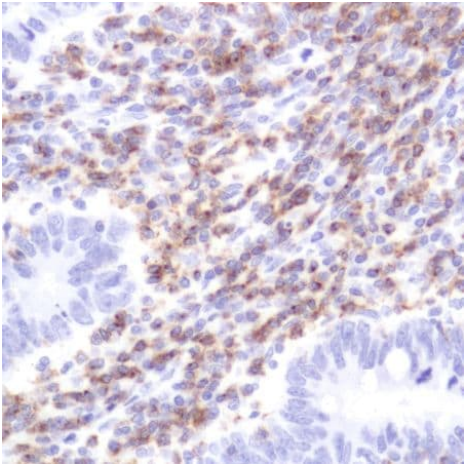
Formalin-fixed, paraffin-embedded human stomach tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)



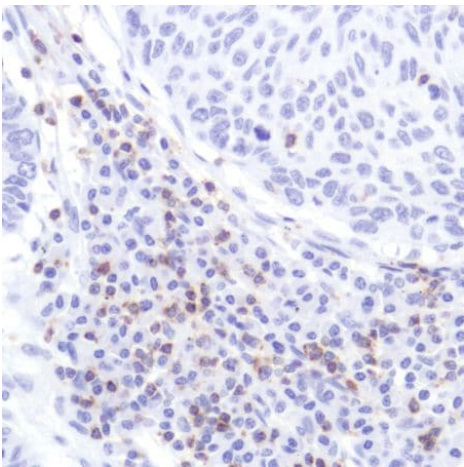
Formalin-fixed, paraffin-embedded human stomach adenocarcinoma tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)



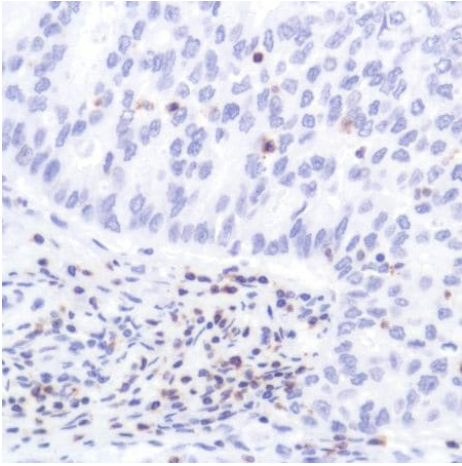
Formalin-fixed, paraffin-embedded human colon adenocarcinoma tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)



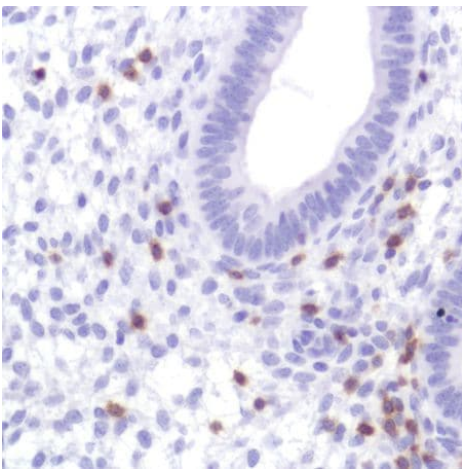
Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)



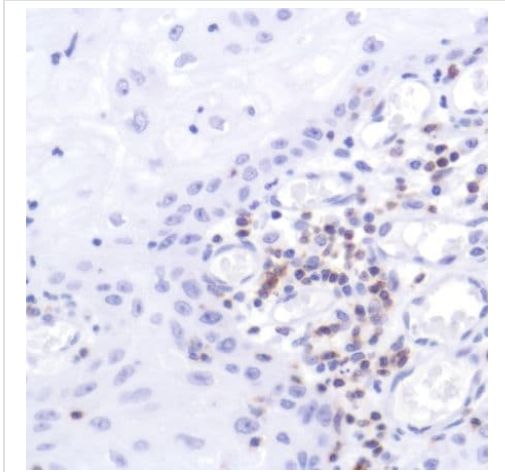
Formalin-fixed, paraffin-embedded human lung adenocarcinoma tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)



Formalin-fixed, paraffin-embedded human uterus tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)



Formalin-fixed, paraffin-embedded human cervical squamous cell carcinoma tissue stained for CD2 using ab227698 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD2 antibody [SP304] (ab227698)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CD2 antibody [SP304] (ab227698)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors