abcam

Product datasheet

Anti-CD80 antibody ab254579

2 References   3 Images

Overview

Product name	Anti-CD80 antibody
Description	Rabbit polyclonal to CD80
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, ICC/IF, WB
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide within Human CD80 aa 60-110. The exact sequence is proprietary. NP_005182. 17 amino acids long. Database link: **P33681**
Positive control	WB: EL4 cell lysate. IF: Human tonsil tissue. IHC-P: Human tonsil tissue.
General notes	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. 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

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: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab254579 in the following tested applications.
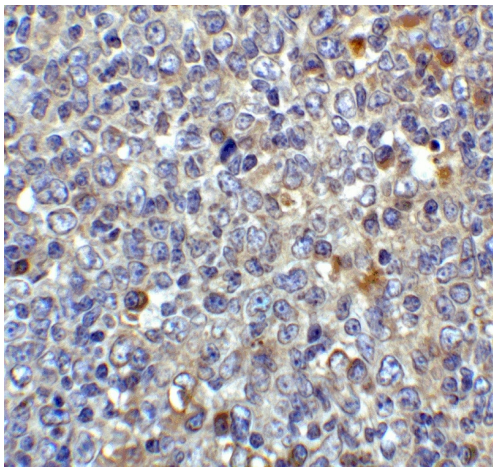
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 2 µg/ml.
ICC/IF		Use a concentration of 20 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 33 kDa. **WB is only validated using mouse samples.**

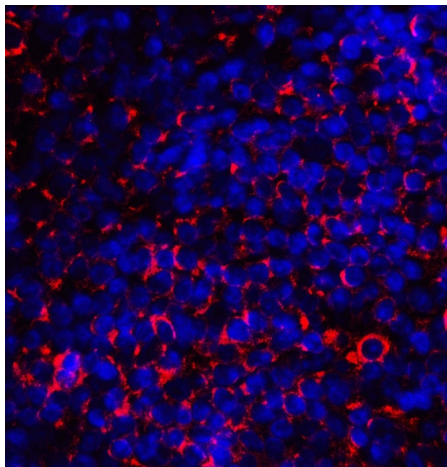## Target

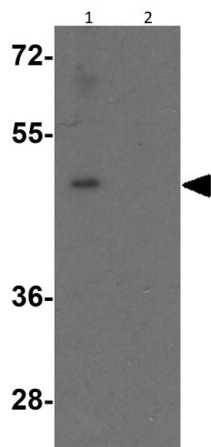|	
Function	Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor.
Tissue specificity	Expressed on activated B-cells, macrophages and dendritic cells.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

Images

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD80 antibody (ab254579)

Human tonsil tissue stained for CD80 with ab254579 at 2 µg/ml in immunohistochemical analysis.

Human tonsil tissue labeling CD80 using ab254579 at 20 µg/ml in IF.

Immunocytochemistry/ Immunofluorescence - Anti-CD80 antibody (ab254579)

All lanes : Anti-CD80 antibody (ab254579) at 1 µg/ml

Lane 1 : EL4 (Mouse cell line) cell lysate
Lane 2 : EL4 (Mouse cell line) cell lysate with blocking peptide

Lysates/proteins at 15 µg per lane.

Predicted band size: 33 kDa

Western blot - Anti-CD80 antibody (ab254579)

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

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