

Datasheet for ABIN3044068
anti-2B4 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	2B4 (CD244)
Binding Specificity:	AA 357-370, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Natural killer cell receptor 2B4(CD244) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human CD244(357-370aa RLSRKELENFDVYS).
Sequence:	RLSRKELENF DVYS
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Natural killer cell receptor 2B4(CD244) detection. Tested with WB, IHC-P in Human.</p> <p>Gene Name: CD244 Molecule, natural killer cell receptor 2B4</p> <p>Protein Name: Natural killer cell receptor 2B4</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	2B4 (CD244)
Alternative Name:	CD244 (CD244 Products)
Background:	<p>CD244(Cluster of Differentiation 244) is a human protein encoded by the CD244 gene. It is also known as Natural Killer Cell Receptor 2B4. Tangye et al.(1999) mapped the 2B4 gene to 1q22. Suzuki et al.(2008) identified a functional single-nucleotide polymorphism(SNP) in the CD244 gene that contributes to rheumatoid arthritis susceptibility. Functional analysis by Boles et al.(1999) demonstrated that engagement of 2B4 with specific antibody activates NK cytolytic activity. Using recombinant human NK cell-activating ligand 2B4 fused to domains 3 and 4 of rodent Cd4 and flow cytometric analysis, Brown et al.(1998) demonstrated that CD48 binds to 2B4. Watzl et al.(2000) showed that antibody-mediated cross-linking of 2B4 leads to its rapid tyrosine phosphorylation, which is necessary for 2B4-mediated killer cell activity.</p> <p>Synonyms: 2B4 antibody C9.1 antibody CD244 antibody CD244 antigen antibody CD244 Molecule natural killer cell receptor 2B4 antibody CD244 natural killer cell receptor 2B4 antibody CD244_HUMAN antibody F730046O15Rik antibody h2B4 antibody Ly90 antibody NAIL antibody Natural killer cell activation-inducing ligand antibody Natural killer cell receptor 2B4 antibody NK cell activation inducing ligand antibody NK cell activation inducing ligand NAIL antibody NK cell activation-inducing ligand antibody NK cell type I receptor protein 2B4 antibody NKR2B4 antibody Nmrk antibody Non-MHC restricted killing associated antibody OTTHUMP00000027884 antibody p38 antibody SLAM family, member 4 antibody SLAMF4 antibody</p>

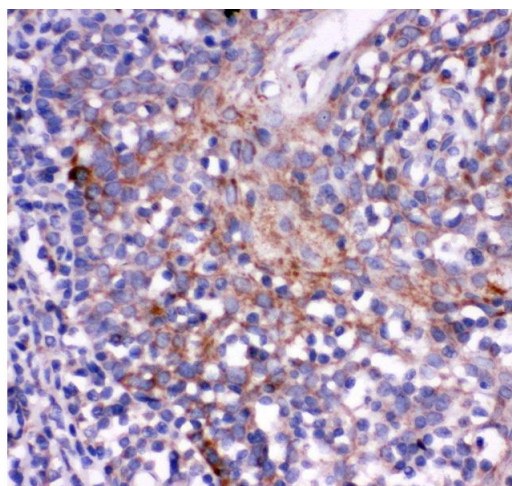
Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.</p> <p>Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

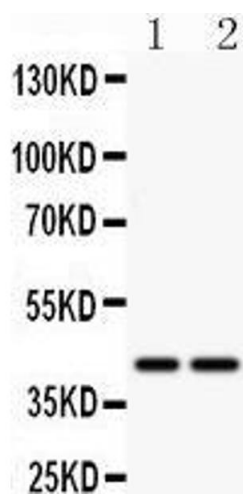
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti- CD244 antibody, IHC(P) IHC(P): Human Tonsil Tissue



Western Blotting

Image 2. Anti- CD244 antibody, Western blotting All lanes:
Anti CD244 at 0.5ug/ml Lane 1: MCF-7 Whole Cell Lysate at 40ug Lane 2: HELA Whole Cell Lysate at 40ug Predicted bind size: 42KD Observed bind size: 42KD