



# Anti-CD247 (aa 36-54) polyclonal antibody (DPAB1931RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit anti-human CD3 zeta polyclonal antibody is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results sho
<b>Antigen Description</b>	T-cell surface glycoprotein CD3 zeta chain also known as T-cell receptor T3 zeta chain or CD247 (Cluster of Differentiation 247) is a protein that in humans is encoded by the CD247 gene. The gene is located on the long arm of chromosome 1 at location 1q22-q25 on the Crick (negative) strand. The gene is 87,896 bases in length. The encode protein is 164 amino acids long with a predicted weight of 18.696 kiloDaltons.
<b>Specificity</b>	This antibody reacts with a 19 kD protein. CD3 consists of five invariant polypeptide chains that associate to form three dimers: a heterodimer of gamma and epsilon chains, a heterodimer of delta and epsilon chains and a homodimer of two zeta chains or a
<b>Immunogen</b>	A synthetic peptide corresponding to aa 36 –54 aa of the human CD3 zeta protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Cellular Localization</b>	cell membrane
<b>Positive Control</b>	Tonsil
<b>Format</b>	Purified immunoglobulin fraction of rabbit antiserum against CD3 zeta containing sodium azide

as a preservative.

<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CD247 CD247 molecule [ Homo sapiens ]</a>
<b>Synonyms</b>	CD247; CD247 molecule; T3Z; CD3H; CD3Q; CD3Z; TCRZ; CD3-ZETA; T-cell surface glycoprotein CD3 zeta chain; TCR zeta chain; CD247 antigen, zeta subunit; T-cell receptor T3 zeta chain; CD3Z antigen, zeta polypeptide (TiT3 complex); T-cell antigen receptor complex, zeta subunit of CD3
<b>Entrez Gene ID</b>	<a href="#">919</a>
<b>Protein Refseq</b>	<a href="#">NP_000725</a>
<b>UniProt ID</b>	<a href="#">P20963</a>
<b>Chromosome Location</b>	1q22-q23
<b>Pathway</b>	Adaptive Immune System; CXCR4-mediated signaling events; Chagas disease (American trypanosomiasis); Costimulation by the CD28 family; Downstream TCR signaling; Downstream signaling in naive CD8+ T cells; Generation of second messenger molecules; HIV Infection; HIV-1 Nef: Negative effector of Fas and TNF-alpha; Host Interactions of HIV factors; Natural killer cell mediated cytotoxicity; IL12 signaling mediated by STAT4; PD-1 signaling; T Cell Receptor Signaling Pathway
<b>Function</b>	identical protein binding; protein binding; protein homodimerization activity; receptor activity; transmembrane signaling receptor activity