

CD7 (aa132-146) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3645a

Specification

CD7 (aa132-146) Antibody (internal region) - Product Information

Application	WB
Primary Accession	P09564
Other Accession	NP_006128.1 , 924
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	25409

CD7 (aa132-146) Antibody (internal region) - Additional Information

Gene ID 924

Other Names

T-cell antigen CD7, GP40, T-cell leukemia antigen, T-cell surface antigen Leu-9, TP41, CD7, CD7

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CD7 (aa132-146) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CD7 (aa132-146) Antibody (internal region) - Protein Information

Name CD7

Function

Transmembrane glycoprotein expressed by T-cells and natural killer (NK) cells and their precursors (PubMed:7506726). Plays a costimulatory role in T-cell activation upon binding to its ligand K12/SECTM1 (PubMed:10652336). In turn, mediates the production of cytokines such as IL-2 (PubMed:1709867). On resting NK-cells, CD7 activation results in a significant induction of interferon-gamma levels (PubMed:7506726).

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Expressed on T-cells and natural killer (NK) cells and their precursors.

CD7 (aa132-146) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD7 (aa132-146) Antibody (internal region) - Images

AF3645a (0.5 µg/ml) staining of Human Thymus lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

CD7 (aa132-146) Antibody (internal region) - Background

The immunizing peptide corresponds to a part of the extracellular domain.

CD7 (aa132-146) Antibody (internal region) - References

Expression of the leukemic prognostic marker CD7 is linked to epigenetic modifications in chronic myeloid leukemia. Rogers SL, Zhao Y, Jiang X, Eaves CJ, Mager DL, Rouhi A. Mol Cancer. 2010 Feb 22;9:41. PMID: 20175919