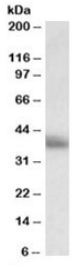
CD7 Antibody Goat Polyclonal (R36154)

Catalog No.	Formulation	Size
R36154-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	924
Applications	Western Blot : 0.5-2ug/ml ELISA (peptide) LOD : 1:32000
Limitations	This CD7 Antibody Goat Polyclonal is available for research use only.



CD7 Antibody Goat Polyclonal. Western blot analysis of human thymus lysate at 0.5 ug/ml shows a band at approximately 25-40 kDa, consistent with the predicted molecular weight of CD7, with the higher apparent band reflecting glycosylated forms of this membrane protein and aligning with its expression in thymic T cell populations.

Description

Cluster of Differentiation 7 (CD7) is a transmembrane glycoprotein (CD7) expressed on T lymphocytes and natural killer (NK) cells, where it contributes to immune signaling and cellular activation processes. CD7 Antibody Goat Polyclonal / CD7 Antibody provides an alternative host species option for detecting CD7 protein expression, supporting flexible experimental design in immunology and protein analysis applications.

CD7 antibody, also known as T-cell antigen CD7 antibody, is commonly used to detect CD7 in immune-derived samples,

including lymphoid tissues such as thymus and peripheral immune cell populations. In protein analysis methods such as western blot, CD7 is typically observed as a band corresponding to its expected molecular weight, supporting identification of CD7-positive samples and validation of protein expression.

This CD7 Antibody Goat Polyclonal is uniquely positioned as a goat-derived reagent, offering advantages in experimental setups where alternative host species are required. This is particularly useful in multiplex detection systems or when combining multiple primary antibodies in a single experiment, where avoiding cross-reactivity with rabbit or mouse antibodies is important.

The polyclonal nature of the antibody enables recognition of multiple epitopes on the CD7 protein, which can enhance signal intensity and improve detection sensitivity in protein analysis assays. This characteristic is especially beneficial when analyzing low-abundance proteins or complex lysates, where stronger signal detection can improve data quality and interpretability.

In addition to its use in western blot, the goat polyclonal format supports flexibility across a range of assay systems, allowing researchers to adapt detection strategies based on experimental needs. The ability to use species-specific secondary antibodies further expands compatibility with diverse detection platforms.

From a research perspective, the availability of a goat-derived CD7 antibody enables broader experimental design options, particularly in studies requiring multiple antibody species or specialized detection systems. This flexibility supports advanced experimental workflows and helps reduce limitations associated with host species overlap.

Overall, CD7 Antibody Goat Polyclonal provides reliable detection of CD7 protein and serves as a versatile tool for researchers requiring alternative host species, enhanced sensitivity, and flexible integration into protein analysis and immunology research applications.

This antibody is part of a broader CD7 antibody collection designed to support T cell biology, immune profiling, and hematologic cancer research.

Application Notes

Optimal dilution of the CD7 Antibody Goat Polyclonal should be determined by the researcher.

Immunogen

Amino acids TEEQSQGWHRCSDAP were used as the immunogen for this CD7 Antibody Goat Polyclonal. The amino acid sequence used as immunogen is from the extracellular portion of the protein.

Storage

Aliquot and store the CD7 antibody at -20oC.

Alternate Names

CD7 goat antibody, CD7 goat polyclonal antibody, CD7 polyclonal antibody, T-cell antigen CD7 antibody, CD7 immunoblot antibody