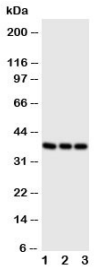
CD1A Antibody for WB / Band Validation Antibody (R30975)

Catalog No.	Formulation	Size
R30975	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P06126
Applications	Western blot: 0.5-1ug/ml
Limitations	This CD1A antibody is available for research use only.



CD1A Antibody for WB. Western blot analysis of CD1A / CD1a protein expression in human cell lysates using CD1A Antibody for WB. Lane 1: Jurkat cell lysate, Lane 2: SW620 cell lysate, Lane 3: CEM cell lysate. A band is detected at approximately 40-45 kDa across all lanes, consistent with the predicted molecular weight of CD1A / CD1a (37-49 kDa). The consistent band size and signal across multiple cell lines supports specific detection of CD1A, while the observed migration within the expected range is compatible with glycosylation of this membrane-associated protein.

Description

CD1 molecule alpha 1 (CD1A) is a transmembrane glycoprotein encoded by the CD1A gene that participates in lipid antigen presentation and is commonly expressed on dendritic cells and related antigen-presenting populations. CD1A Antibody for WB enables detection of CD1a protein in western blot assays, where accurate identification of the target band is essential for confirming specificity. CD1A antibody, also referred to as CD1a antibody or T-cell surface glycoprotein CD1a antibody, is frequently used in immunoblot experiments designed to validate protein detection in complex biological samples.

Western blot validation relies on the ability to detect a band at the expected molecular weight with minimal non-specific background. CD1a represents a well-characterized membrane protein target, making it suitable for evaluating antibody performance and confirming that observed bands correspond to CD1A rather than unrelated proteins. A CD1a western blot antibody is therefore particularly useful in experiments where band identity must be verified, such as assay optimization, antibody comparison, or validation of new sample types.

The predicted molecular weight of CD1A is approximately 49 kDa. In western blot analysis, a band is typically observed near this size, providing a reference point for confirming target detection. Because CD1a is glycosylated, additional bands or upward shifts in apparent molecular weight may be observed, reflecting differences in glycosylation state or protein processing. These variations are consistent with the biology of membrane glycoproteins and should be considered when interpreting band patterns.

Accurate band validation is critical when working with complex lysates that contain many proteins with overlapping molecular weights. A CD1a western blot antibody supports identification of the correct band through consistent detection at the expected size and reproducible signal across experiments. This is particularly important when distinguishing specific signal from non-specific background or when confirming expression of CD1A in systems where it may be expressed at low levels.

CD1A Antibody for WB is therefore well suited for applications focused on band validation and specificity assessment. Its use in immunoblot assays supports confident interpretation of results by enabling clear identification of CD1A protein and helping ensure that detected bands reflect true target expression rather than experimental artifact.

A full range of CD1A antibody reagents for immunohistochemistry, western blot, and flow cytometry is available on our CD1A Antibody collection page.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD1A Antibody for WB / Band Validation Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human CD1a (AKHFCKVLNQNQHEND) was used as the immunogen for this CD1A Antibody for WB / Band Validation Antibody.

Storage

After reconstitution, the CD1A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

CD1a western blot antibody, CD1A band validation antibody, CD1A specificity antibody, T-cell surface glycoprotein CD1a antibody, CD1A immunoblot antibody

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