

CD24 Antibody (N-Term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8782a**Specification**

CD24 Antibody (N-Term) - Product Information

Application	WB, FC, IHC-P,E
Primary Accession	P25063
Other Accession	P24807 , NP_037362
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1-30

CD24 Antibody (N-Term) - Additional Information**Gene ID** 100133941**Other Names**

Signal transducer CD24, Small cell lung carcinoma cluster 4 antigen, CD24, CD24, CD24A

Target/Specificity

This CD24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CD24.

Dilution

WB~~1:1000

FC~~1:10~50

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

CD24 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

CD24 Antibody (N-Term) - Protein Information**Name** CD24

Synonyms CD24A

Function May have a pivotal role in cell differentiation of different cell types. Signaling could be triggered by the binding of a lectin- like ligand to the CD24 carbohydrates, and transduced by the release of second messengers derived from the GPI-anchor. Modulates B-cell activation responses. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells (PubMed:[11313396](#)). In association with SIGLEC10 may be involved in the selective suppression of the immune response to danger-associated molecular patterns (DAMPs) such as HMGB1, HSP70 and HSP90. Plays a role in the control of autoimmunity (By similarity).

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor.

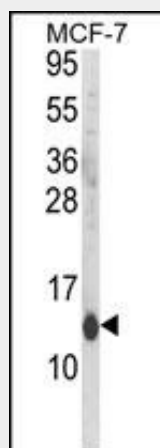
Tissue Location

B-cells. Expressed in a number of B-cell lines including P32/ISH and Namalwa. Expressed in erythroleukemia cell and small cell lung carcinoma cell lines. Also expressed on the surface of T-cells.

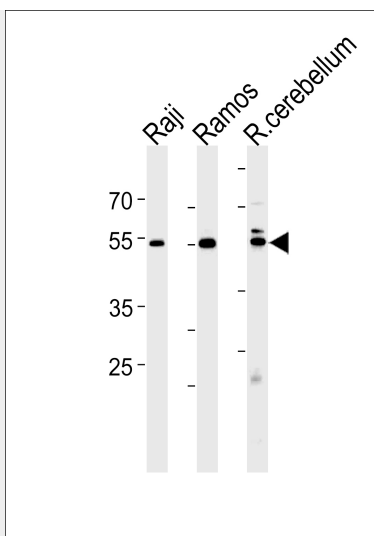
CD24 Antibody (N-Term) - Protocols

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

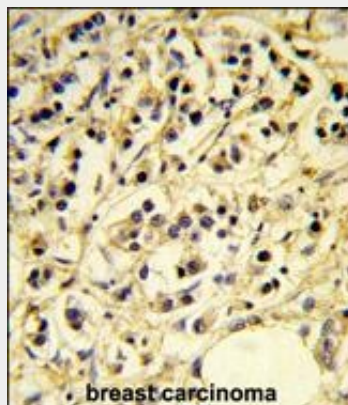
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD24 Antibody (N-Term) - Images

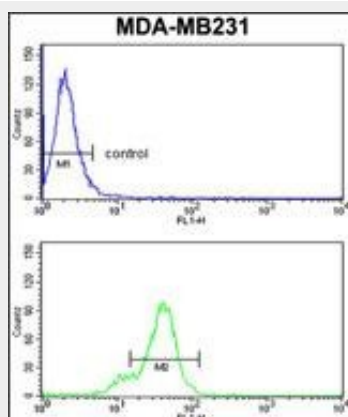
Western blot analysis of CD24 Antibody (N-Term) (Cat. #AP8782a) in MCF-7 cell line lysates (35ug/lane). CD24 (arrow) was detected using the purified Pab.



CD24 Antibody (N-Term) (Cat.# AP8782a) western blot analysis in Raji,Ramos cell line and rat cerebellum tissue lysates (35ug/lane).This demonstrates the CD24 antibody detected the CD24 protein (arrow).



Formalin-fixed and paraffin-embedded human breast carcinoma reacted with CD24 Antibody (N-Term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



CD24 Antibody (N-Term) (Cat.#AP8782a) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CD24 Antibody (N-Term) - Background

CD24 is a sialoglycoprotein that is expressed on mature granulocytes and in many B cells. This protein is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface.

CD24 Antibody (N-Term) - References

Kay,R., et.al., J. Immunol. 147 (4), 1412-1416 (1991)