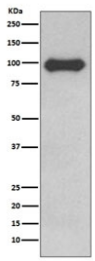
CD19 Antibody [clone AOFO-3] (RQ5485)

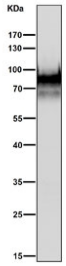
Catalog No.	Formulation	Size
RQ5485	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AOFO-3
Purity	Affinity purified
UniProt	P15391
Localization	Cell surface, cytoplasmic
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:50-1:200
Limitations	This CD19 antibody is available for research use only.



Western blot testing of human Ramos cell lysate with CD19 antibody. Expected molecular weight: 60-100 kDa depending on glycosylation level.



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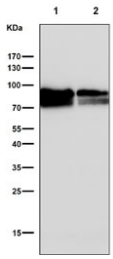
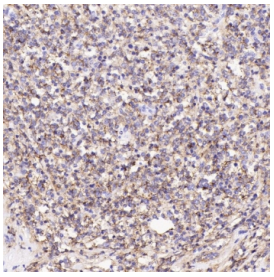
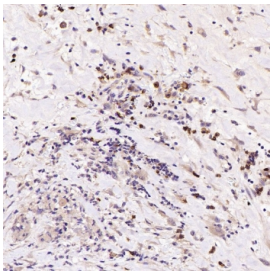


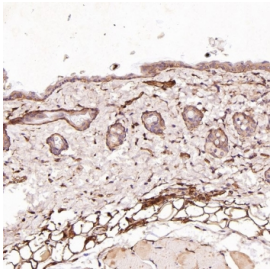
Western blot testing of human 1) Raji and 2) Daudi cell lysate with CD19 antibody. Expected molecular weight: 60-100 kDa depending on glycosylation level.



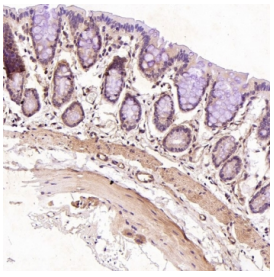
CD19 Antibody Human Hodgkin's Lymphoma IHC. Immunohistochemistry analysis of FFPE human Hodgkin's lymphoma tissue using CD19 Antibody (clone AOFO-3). Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Positive membranous staining is observed in lymphoid cell populations, consistent with CD19 expression as a B cell lineage marker. These results support the use of CD19 Antibody (clone AOFO-3) for studying B lymphocyte identification, hematologic cancer research and immune cell marker expression.



CD19 Antibody Human Esophageal Carcinoma IHC. Immunohistochemistry analysis of FFPE human esophageal carcinoma tissue using CD19 Antibody (clone AOFO-3). Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Positive membranous staining is observed in infiltrating immune cell populations within the tumor microenvironment, consistent with CD19 expression as a B lymphocyte marker. These results support the use of CD19 Antibody (clone AOFO-3) for studying B cell infiltration, tumor immunology and hematologic marker expression in cancer research.



CD19 Antibody Mouse Skin IHC. Immunohistochemistry analysis of FFPE mouse skin tissue using CD19 Antibody (clone AOFO-3). Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Positive staining is observed in immune cell populations within the skin tissue environment, consistent with CD19 expression as a B lymphocyte marker. These results support the use of CD19 Antibody (clone AOFO-3) for studying B cell identification, immune cell localization and inflammatory response research.



CD19 Antibody Rat Stomach IHC. Immunohistochemistry analysis of FFPE rat stomach tissue using CD19 Antibody (clone AOFO-3). Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Positive staining is observed in immune cell populations within gastric tissue, consistent with CD19 expression as a B lymphocyte marker. These results support the use of CD19 Antibody (clone AOFO-3) for studying B cell localization, mucosal immune responses and lymphocyte-associated research.

Description

Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. The CD19 gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [RefSeq]

Researchers studying B cell markers and immune cell signaling may also be interested in our CD19 Antibody / B Cell Marker Antibody page, featuring a Protein Microarray Validated recombinant monoclonal antibody for B lymphocyte detection and immunology research.

Application Notes

Optimal dilution of the CD19 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human CD19 was used as the immunogen for the CD19 antibody.

Storage

Store the CD19 antibody at -20oC.

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