DATASHEET

CD46 Rabbit Monoclonal Antibody(ARB607)

CAT. NO. ARB6901

KEY FEATURES

Target	CD46	**Clonality**	Monoclonal
Clone ID	ARB607	**Applications**	IHC
Source / Host	Rabbit	**Dilution**	1:100-1:200
Reactivity	Human	**Storage**	at-20°C

BACKGROUND

CD46, also known as membrane cofactor protein (MCP), belongs to the complement activation regulator (RCA) protein family. As a membrane cofactor mediating C3b and C4b cleavage, CD46 serves as a key regulator in the classical and selective complement activation cascade within the innate immune system. CD46 is a membrane protein widely distributed across all nucleated cells, with high expression primarily observed in tissues such as the brain, kidney, lung, spleen, small intestine, placenta, testis, and salivary glands. CD46 is upregulated in multiple myeloma and various solid tumors, including ovarian cancer, breast cancer, cervical cancer, colorectal cancer, prostate cancer, and bladder cancer. This abnormal expression may also correlate with malignant transformation and metastatic potential.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Predicted Molecular Wt	44kDa
Purity	ProA affinity purified IgG
Subcellular location	Secreted/Membrane/Cytoplasm
Swissprot ID	P15529
Immunogen	The synthetic peptide corresponding to Human CD46 aa 35-84.
Storage Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Recommended method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.
Alternative Names	Membrane cofactor protein; Trophoblast leukocyte common antigen; TLX; MCP; MIC10
Gene Symbol	CD46
Entrez Gene	4179

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

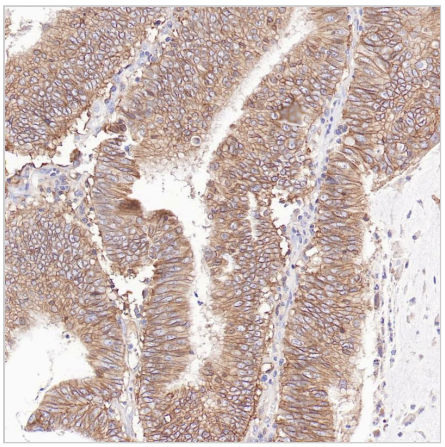
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Immunohistochemical staining of human colorectal cancer tissue sections using CD46 Rabbit Monoclonal Antibody (ARB607).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com