DATASHEET

pan Cytokeratin Mouse Monoclonal Antibody(ARA497)

CAT. NO. ARA5816

KEY FEATURES

Target:	pan Cytokeratin	**Clone ID:**	ARA497
Source/Host:	Mouse	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Storage:	at-20°C		

BACKGROUND

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation which is directly applicable to the characterization of malignant tumors. For example, cytokeratins 10 and 13 are expressed highly in a subset of squamous cell carcinomas while cytokeratin 18 is expressed in a majority of adenocarcinomas and basal cell carcinomas. Since each epithelium contains at least one acidic and one basic keratin, this antibody is used to observe the distribution of keratin-containing cells in normal epithelia and to identify neoplasms derived from such epithelium.

APPLICATION

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

IHC	1:500-1:2000

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

OVERVIEW

Description	Recombinant mouse monoclonal antibody to pan Cytokeratin
Specificity	Recognizes human cytokeratins 10, 14, 15, 16 and 19, and cytokeratins 1, 2, 3, 4, 5, 6, 7 and 8.
Antibody Type	Primary antibody,Recombinant
Immunogen	Full length native protein corresponding to Human pan Cytokeratin.
Purification	Protein A affinity purified.
Isotype	IgG1
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Alternative Names	Cytokeratin, CK, KRT, Keratin
Gene Symbol	KRT family (multiple genes)
Entrez Gene	Multiple (KRT family)
SwissProt	Q01546(Human); Q7Z794(Human); P48668(Human); P13645(Human)

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

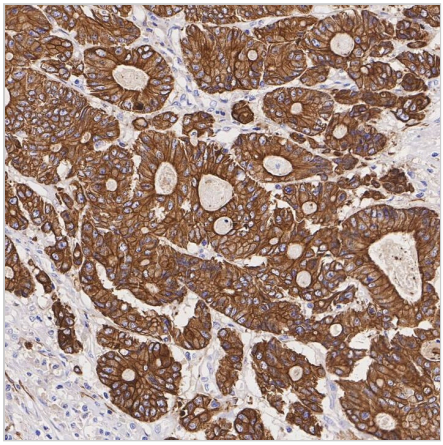
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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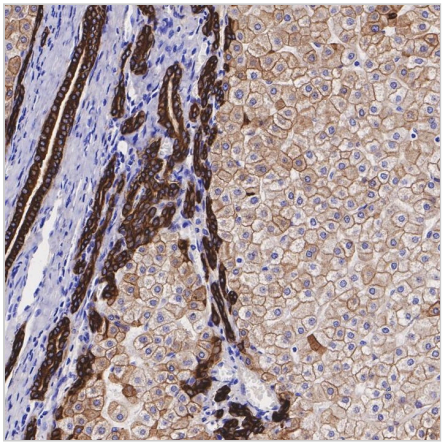
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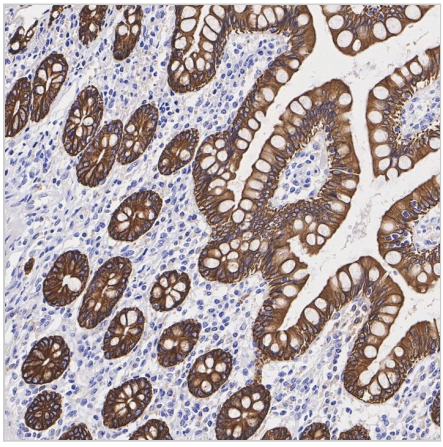
DATA



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue with pan Cytokeratin Mouse Monoclonal Antibody(ARA497).



Immunohistochemical analysis of paraffin-embedded human liver tissue with pan Cytokeratin Mouse Monoclonal Antibody(ARA497).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue with pan Cytokeratin Mouse Monoclonal Antibody(ARA497).

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