

Anti-KRT19 Antibody (6A728)

Product Details

Ig Type:	Mouse IgG3
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6A728
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human KRT19 in human thyroid cancer with mouse monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of human KRT19 in human liver with mouse monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).
	3. Immunochemical staining of human KRT19 in human hepatoma with mouse monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:250-1:1000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: center region of the Human KRT19
Antigen Species:	Human

Research Background

Cytokeratin 19 (KRT19) is a cytoplasmic intermediate filament protein, which is responsible for structural rigidity and multipurpose scaffolds. In several cancers, KRT19 is overexpressed and may play a crucial role in tumorigenic transformation. The KRT19 gene encodes cytokeratin 19, an element of the cytoskeleton whose expression is frequently altered in renal cell carcinoma (RCC). KRT19 was identified as one of the key biomarkers for distinguishing cholangiocarcinoma (CCA) and hepatocellular carcinoma. Expression of KRT19 was specifically high in breast cancers and significantly correlated with their invasiveness. Moreover, knockdown of KRT19 led to increased proliferation, migration, invasion, drug resistance, and sphere formation in breast cancer cells via an upregulated NOTCH signaling pathway.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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