

Datasheet for ABIN3026726

anti-KRT1 antibody**1** Image[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	KRT1
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Solubilized keratin extract from human stratum corneum was used as the immunogen for this HMW Cytokeratin antibody.
Clone:	34BE12
Isotype:	IgG1 kappa
Characteristics:	This antibody recognizes HMW Keratin 1, 5, 10 and 14. In normal epithelia, it stains stratified epithelia, myoepithelial cells and basal cells in the prostate gland and bronchi. The HMW Cytokeratin antibody shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands, there is no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, neural tumors, and neuroendocrine tumors are negative with this mAb. It stains myoepithelial cells and has been shown to be useful in distinguishing prostate adenocarcinoma from benign prostate. It has also been useful in separating benign from malignant intraductal breast proliferations.

Product Details

Purification: Protein G affinity chromatography

Target Details

Target: KRT1

Alternative Name: HMW Cytokeratin ([KRT1 Products](#))

Background: This antibody recognizes HMW Keratin 1, 5, 10 and 14. In normal epithelia, it stains stratified epithelia, myoepithelial cells and basal cells in the prostate gland and bronchi. The HMW Cytokeratin antibody shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands, there is no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, neural tumors, and neuroendocrine tumors are negative with this mAb. It stains myoepithelial cells and has been shown to be useful in distinguishing prostate adenocarcinoma from benign prostate. It has also been useful in separating benign from malignant intraductal breast proliferations.

Gene ID: 3848

Application Details

Application Notes: The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the HMW Cytokeratin antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. FACS: 0.5-1 µg/10e6 cells,IF: 0.5-1.0 µg/mL,WB: 0.5-1.0 µg/mL,IHC (FFPE): 0.5-1.0 µg/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

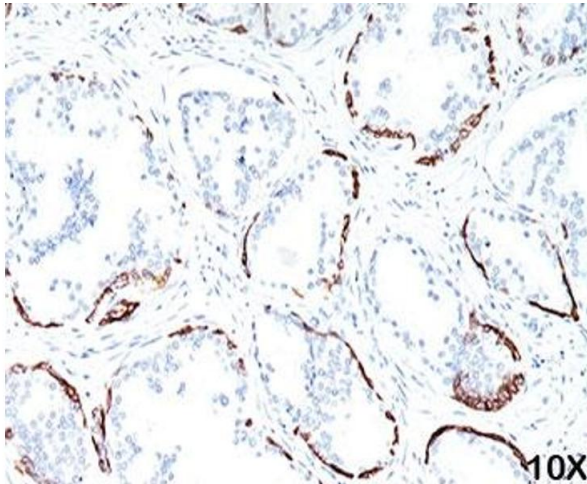
Preservative: Azide free

Storage: 4 °C,-20 °C

Handling

Storage Comment: Store the HMW Cytokeratin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



Immunohistochemistry

Image 1. IHC staining of human prostate (10X) with HMW Cytokeratin antibody (34bE12).