

Datasheet for ABIN7126613

Recombinant anti-Cytokeratin 5 antibody (AA 316-590)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Cytokeratin 5 (KRT5)
Binding Specificity:	AA 316-590
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 5 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 316-590) of human Cytokeratin 5 (KRT5) protein (exact sequence is proprietary)
Isotype:	IgG2a
Specificity:	This Mab recognizes a protein of 58 kDa, which is identified as Cytokeratin 5 (KRT5). This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Antibodies to KRT5 identify basal cells of squamous and glandular epithelia, yoepithelial, and mesothelium. Anti-cytokeratin 5 has been reported useful in the differential diagnosis of metastatic carcinoma in the pleura versus epithelioid mesothelioma. Almost all squamous cell carcinomas, half of transitional carcinomas, and many undifferentiated large cell carcinomas express. Anti-KRT5, along with anti-p63, affords a high sensitivity and specificity for

Product Details

	squamous differentiation. Myoepithelial cells of the breast, glandular epithelia, and basal cells of the prostate are labeled with anti-KRT5.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Cytokeratin 5 (KRT5)
Alternative Name:	KRT5 (KRT5 Products)
Background:	58 kDa Cytokeratin, DDD1, Epidermolysis Bullosa Simplex 2 (EBS2), Keratin 5, Keratin, Type II Cytoskeletal 5, Keratin-5, Type-II Cytoskeletal 5, Type-II keratin Kb5,Cytokeratin 5 (KRT5) (Basal, Myoepithelial & Mesothelial Cell Marker) Cellular localisation: Cytoplasmic
Molecular Weight:	58kDa
Gene ID:	3852, 433845
UniProt:	P13647

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: Human tonsil, esophagus or bladder tissue (IHC).
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-

Handling

hazardous.

Expiry Date: 24 months