

## Recombinant Cytokeratin 17 (CK17) (Basal Epithelial Marker) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-117R]

Catalog No	Format	Size
3872-RBM11-P0	Purified Ab with BSA and Azide	20 ug
3872-RBM11-P1	Purified Ab with BSA and Azide	100 ug

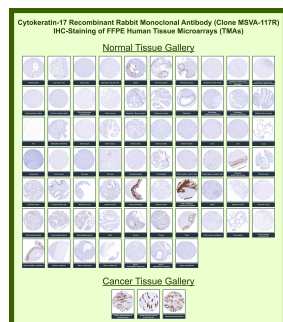
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:50 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

### Product Details

<b>Clone</b>	MSVA-117R
<b>Immunogen</b>	Recombinant fragment of human KRT17 protein (exact sequence is proprietary)
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	46kDa
<b>Cellular Localization</b>	Cytoplasm
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Prostate: A strong CK17 staining should be seen in basal cells while acinar cells remain negative.

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant Cytokeratin 17 (CK17) (Basal Epithelial Marker) Antibody



Keratin, type I cytoskeletal 17 Rabbit Recombinant Monoclonal Antibody (MSVA117R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

### **Specificity & Comments**

CK17 is normally expressed in the basal cells of complex epithelia but not in stratified or simple epithelia. Antibody to CK17 is an excellent tool to distinguish myoepithelial cells from luminal epithelium of various glands such as mammary, sweat and salivary. CK17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. It may be considered as epithelial stem cell marker because CK17 Ab marks basal cell differentiation. CK17 is expressed in SCLC much higher than in LADC. Eighty-five percent of the triple negative breast carcinomas immunoreact with basal cytokeratins including anti-CK17. Also important is that cases of triple negative breast carcinoma with expression of CK17 show an aggressive clinical course. Additionally, anti-CK17 and anti-MUC1 immunoreactivity represents pancreaticobiliary subtype whereas anti-MUC2 and anti-CDX-2 positivity defines intestinal subtype.

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### **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### **Supplied As**

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

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### **Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### **Research Areas**

Basal Cell Marker, Developmental Biology

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