

Rev.: 2018/12/5

## Type I Cytokeratins Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# YX64005

Clone# BP6051

**Predicted Molecular Wt:** 60/53/51/45/40kDa

**Species Cross-reactivity:** Human

**Applications:** IHC-P

**Purity:** ProA affinity purified IgG

**Form:** Liquid

### Background:

The keratins are the typical intermediate filament proteins of epithelia, showing an outstanding degree of molecular diversity. Heteropolymeric filaments are formed by pairing of type I and type II molecules. In humans 54 functional keratin genes exist. They are expressed in highly specific patterns related to the epithelial type and stage of cellular differentiation.

This antibody can detect high molecular weight CK10, CK14, CK15 and CK16 and low molecular weight CK19. It usually used in a cytokeratin cocktail with type II cytokeratin antibody.

### Subcellular location:

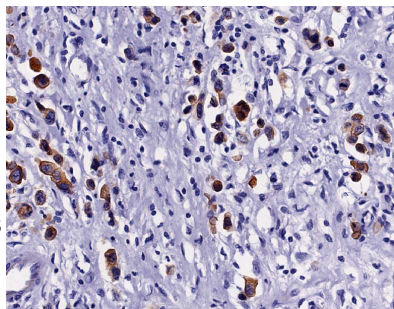
Cytoplasm

### Recommended retrieval method:

Heat induced epitope retrieval with Tris-EDTA buffer, pH 9.0

### Immunogen:

Synthetic peptide corresponding to Type I Cytokeratins residues within aa100-200 of Type I Cytokeratins was used as an immunogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of human gastric cancer tissue labelling Type I Cytokeratins with BP6051. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

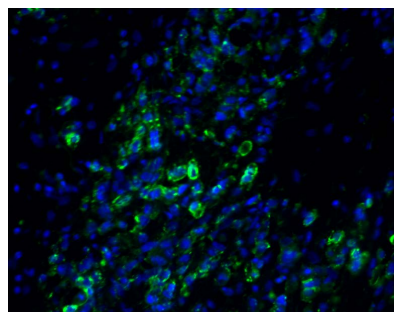
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Spagnolo DV, et al. Am J Clin Pathol. 1985 Dec;84(6):697-704.
2. Eichner R, et al. J Cell Biol. 1984 Apr;98(4):1388-96.



Fluorescence multiplex immunohistochemical analysis of human gastric cancer tissue (formalin-fixed paraffin-embedded section). The section was pre-treated using heat mediated antigen retrieval with Tris/EDTA buffer (pH 9.0). Then incubated with YX64005 (green) at 1/300 dilution for 30mins at room temperature, followed by a further incubation with goat anti-mouse +rabbit HRP polymer (Yuanxibio, #A10011-30) at room temperature for 10mins. Then the section was labelled with Neon TSA 520 (Yuanxibio, #D110011) for 10mins. DAPI (blue) was used as a nuclear counter stain.

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