

## Cytokeratin 7 Rabbit pAb

CatalogNo: YT1272

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat,Mouse,

#### Applications

- WB,IHC,IF,ELISA

#### MW

- 51kD (Observed)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:40000**

**Not yet tested in other applications.**

### | Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality** Polyclonal

### | Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Keratin 7. AA range:420-469

**Specificity** Cytokeratin 7 Polyclonal Antibody detects endogenous levels of Cytokeratin 7 protein.

## | Target Information

**Gene name** KRT7

**Protein Name** Keratin type II cytoskeletal 7

Organism	Gene ID	UniProt ID
Human	<a href="#">3855;</a>	<a href="#">P08729;</a>
Mouse		<a href="#">Q9DCV7;</a>

**Cellular Localization** Cytoplasm .

**Tissue specificity** Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus but is absent in the esophagus.

**Function** Function:Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7).,induction:Up-regulated by retinoic acid.,mass spectrometry: PubMed:11840567,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).,PTM:Arg-20 is dimethylated, probably to asymmetric dimethylarginine.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. Interacts with eukaryotic translation initiator factor 3 (eIF3) subunit EIF3S10 and with HPV16 E7.,tissue specificity:Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus but is absent in the esophagus.,

## | Validation Data

## | Contact information

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