

**Rabbit Anti-Cytokeratin 4 [EP4]: RM0081**

**Intended Use:** For Research Use Only

**Description:** Cytokeratin 4 (CK4) is a 59 kDa intermediate filament protein associated with cytokeratin 13. It is expressed in suprabasal cells of non-keratinized stratified squamous epithelium of esophagus, cornea, anus, larynx, pharynx and tongue. A mutation in CK4 gene causes white sponge nevus. A decreased expression of CK4 is associated with head and neck squamous carcinoma. It is helpful in differentiation of squamous cell carcinoma of esophagus origin from thyroid origin.

**Specifications:**

Clone: EP4  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human  
Localization: Cytoplasm  
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and ≤0.09% sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC  
Package:

Description	Catalog No.	Size
Cytokeratin 4 Concentrated	RM0081	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Esophagus, cervical squamous cancer  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.