

Store at  
-20C  
#36746**EpCAM (D4K8R) XP<sup>®</sup> Rabbit mAb**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IP, IF-IC, FC-FP, FC-L	H	Endogenous	40	Rabbit IgG	#P16422	4072

**Product Usage Information****Application**

Immunoprecipitation  
Immunofluorescence (Immunocytochemistry)  
Flow Cytometry (Fixed/Permeabilized)  
Flow Cytometry (Live)

**Dilution**

1:50  
1:100  
1:50  
1:50

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

For a carrier free (BSA and azide free) version of this product see product #55930.

**Specificity/Sensitivity**

EpCAM (D4K8R) XP<sup>®</sup> Rabbit mAb recognizes endogenous levels of total EpCAM protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with mammalian cells expressing full length EpCAM protein.

**Background**

Epithelial cell adhesion and activating molecule (EpCAM/CD326) is a transmembrane glycoprotein that mediates Ca<sup>2+</sup>-independent, homophilic adhesions on the basolateral surface of most epithelial cells. EpCAM is not expressed in adult squamous epithelium, but it is highly expressed in adeno and squamous cell carcinomas (1). Research studies identified EpCAM as one of the first tumor-associated antigens, and it has long been a marker of epithelial and tumor tissue. Investigators have shown that EpCAM is highly expressed in cancer cells (reviewed in 2,3).

**Background References**

1. Went, P.T. et al. (2004) *Hum Pathol* 35, 122-8.
2. Baeuerle, P.A. and Gires, O. (2007) *Br J Cancer* 96, 417-23.
3. Armstrong, A. and Eck, S.L. (2003) *Cancer Biol Ther* 2, 320-6.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Applications Key**

**IP:** Immunoprecipitation **IF-IC:** Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized) **FC-L:** Flow Cytometry (Live)

**Cross-Reactivity Key**

**H:** Human

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