

Rabbit Anti-CD44v4 [CD44v4/1700R]: RM0102, RM0102RTU7

Intended Use: For Research Use Only

Description: This antibody recognizes an epitope encoded by exon v4 on the variant portion of human CD44. The CD44 molecule belongs to a family of cellular adhesion molecules found on a wide range of normal and malignant cells in epithelial, mesothelial and hemopoiesis tissues. CD44 is a single gene with 20 exons, of which 10 are normally expressed to encode the basic CD44 (H-CAM) molecule. The additional 10 exons (v1 to v10) are only expressed by alternative splicing of the nuclear RNA. The expression of specific cell adhesion molecule CD44 splice variants has been reported to be associated with metastasis in certain human malignancies.

Specifications

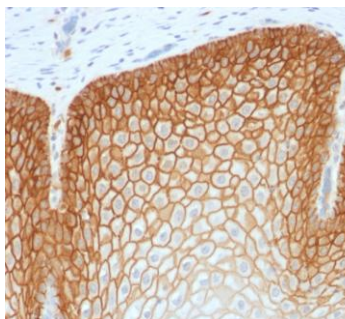
Clone:	CD44v4/1700R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant fragment corresponding to the v4 domain of human CD44
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
CD44v4 [CD44v4/1700R] Concentrated	RM0102	1 ml
CD44v4 [CD44v4/1700R] Prediluted	RM0102RTU7	7 ml

IHC Procedure*:

Positive Control:	Cervix or tongue Squamous Cell Carcinoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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.



FFPE human cervical SCC stained with anti-CD44v4 using DAB

References:

1. Crosstalk between Raf-MEK-ERK and PI3K-Akt-GSK3β signaling networks promotes chemoresistance, invasion/migration and stemness via expression of CD44 variants (v4 and v6) in oral cancer. Kashyap T, et al. Oral Oncol. 2018.
2. MET Signaling Mediates Intestinal Crypt-Villus Development, Regeneration, and Adenoma Formation and Is Promoted by Stem Cell CD44 Isoforms. Joosten SPJ, et al. Gastroenterology. 2017.
3. The association of co-expression of CD44v4/MMP-9 with different nodal status in high-grade breast carcinoma patients. Thanakit V, et al. J Med Assoc Thai. 2005.