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Anti-Collagen IV Rabbit mAb [82H79]

Catalog No.: A52085

Basic Information

Catalog No. (Cat.No.)	A52085
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Synonyms	Collagen IV,Collagen-IV,Procollagen type IV alpha 1 chain,Goodpasture antigen,alpha-1(IV) collagen

Product Information

Target	Collagen IV
Molecular Weight(Calculated)	160 kDa
Molecular Weight(Observed)	200 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	82H79
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Collagen type IV alpha-1 chain
Gene Name	*COL4A1*
Domain	NA
Background	Collagen IV belongs to basement-membrane collagen family and builds basement-membrane scaffold for cell adhesion and barrier regulation. As the principal structural component of basement membranes across tissues, Collagen IV is synthesized by epithelial and endothelial cells, self-assembles into meshwork and associates with laminin and nidogen to form intact basement membrane, separating epithelium from stroma and preserving tissue architecture. Basement-membrane degradation and remodeling participate in angiogenesis and embryonic development. Tumor-cell invasion relies on Collagen IV breakdown to breach basement barrier for metastasis.