

Rabbit Collagen 4 alpha 4 Polyclonal Antibody | anti-COL4A4 antibody

Anti-Collagen 4 alpha 4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA265068	Rabbit	Human, Mouse, Rat, Bovine	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Collagen 4 alpha 4; Polyclonal Antibody; Anti-Collagen 4 alpha 4 Antibody; anti-COL4A4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Collagen 4 alpha 4 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-COL4A4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Collagen 4 alpha 4. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



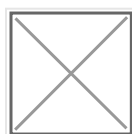
IF (Immunofluorescence)

Immunofluorescent analysis of Collagen 4 alpha 4 staining in COS7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of Collagen 4 alpha 4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of Collagen 4 alpha 4 expression in A549 (A), PC3 (B), SKOVCA3 (C), CT26 (D), PC12 (E) whole cell lysates. (Predicted band size: 164 kD; Observed band size: 190 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A4 antibody	Rabbit polyclonal antibody to Collagen 4 alpha 4
Product Categories/Family for anti-COL4A4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256356
NCBI GeneID	1286
NCBI Accession #	NP_000083.3
NCBI GenBank Nucleotide #	NM_000092.4
UniProt Accession #	P53420 ; Q9QZR9
Molecular Weight	164,038 Da
NCBI Official Full Name	collagen alpha-4(IV) chain
NCBI Official Synonym Full Names	collagen, type IV, alpha 4
NCBI Official Symbol	COL4A4
NCBI Official Synonym Symbols	CA44
NCBI Protein Information	collagen alpha-4(IV) chain; collagen alpha-4(IV) chain; Collagen IV, alpha-4 polypeptide; collagen of basement membrane, alpha-4 chain
UniProt Protein Name	Collagen alpha-4(IV) chain
UniProt Gene Name	COL4A4
UniProt Entry Name	CO4A4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/collagen-4-alpha-4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/265068>