

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09587 - Goat Anti-COL4A6 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** COL4A6, collagen, type IV, alpha 6, MGC88184, OTTHUMP00000023834, OTTHUMP00000023835, collagen IV, alpha-6 polypeptide, collagen alpha 6 type IV, collagen of basement membrane, alpha-6, dJ889N15.4 (Collagen Alpha 6(IV)), type IV alpha 6 collagen

**Official Symbol:** COL4A6

**Accession Number(s):** NP\_001838.2; NP\_378667.1; NP\_001274687.1; NP\_001274688.1; NP\_001274689.1

**Human GeneID(s):** [1288](#)

**Important Comments:** This antibody is expected to recognize reported isoforms NP\_001838.2 (iso A),; NP\_378667.1 (iso B),, NP\_001274687.1 (iso 3),NP\_001274688.1 (iso 4) and NP\_001274689.1 (iso 5).

### Immunogen

Peptide with sequence C-PSPEFETETLHNKES, from the internal region of the protein sequence according to NP\_001838.2; NP\_378667.1; NP\_001274687.1; NP\_001274688.1; NP\_001274689.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

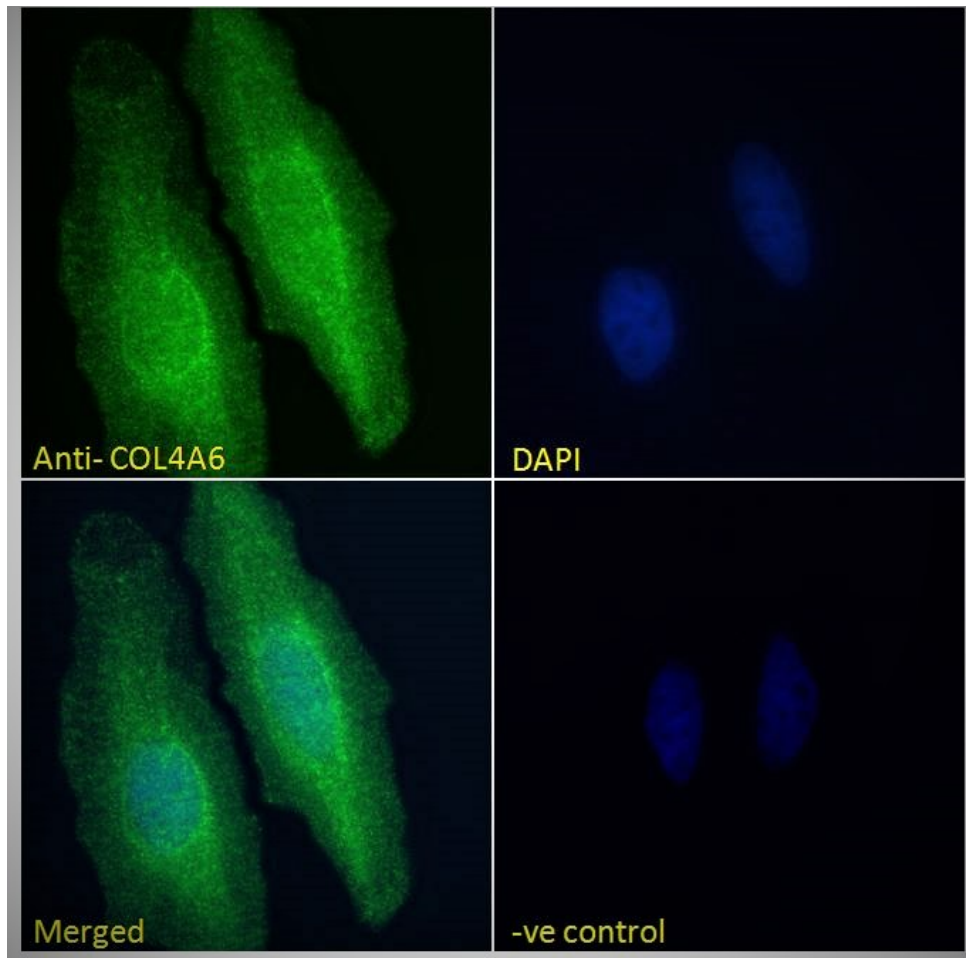
**Immunofluorescence:** Strong expression of the protein seen in the endoplasmic reticulum of HeLa and in the endoplasmic reticulum and membranes of U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

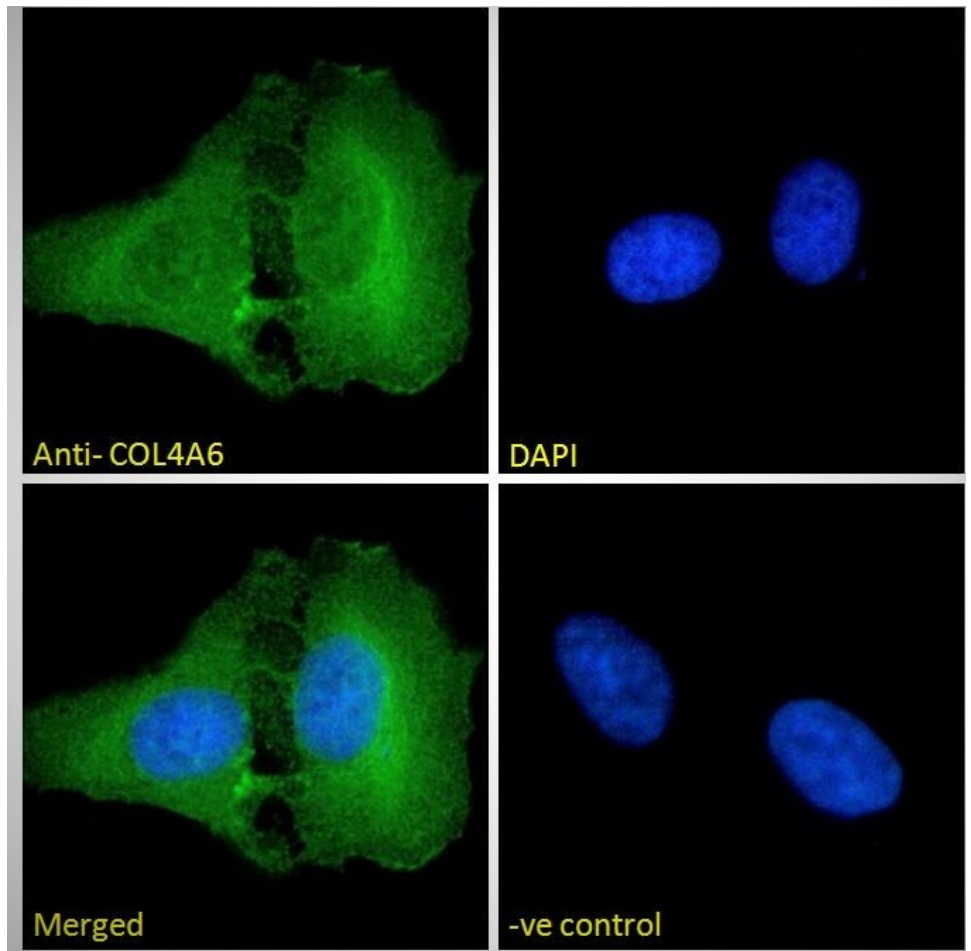
### Species Reactivity

**Tested:** Human

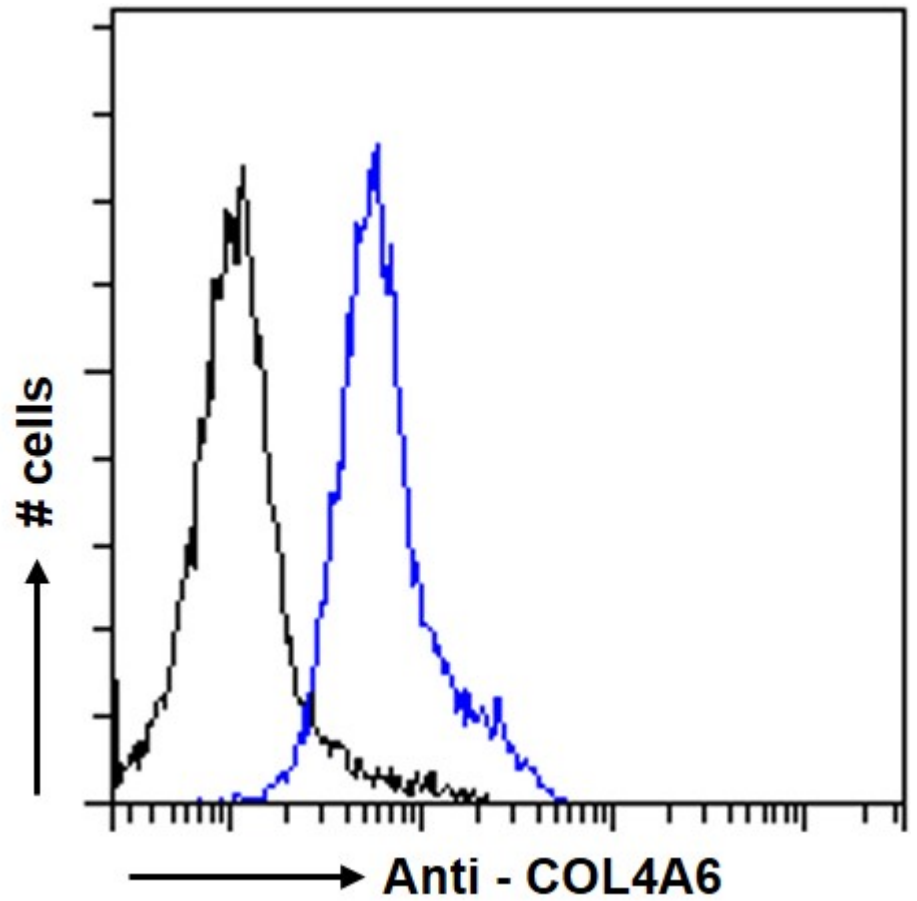
**Expected from sequence similarity:** Human



EB09587 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09587 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09587 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.