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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.

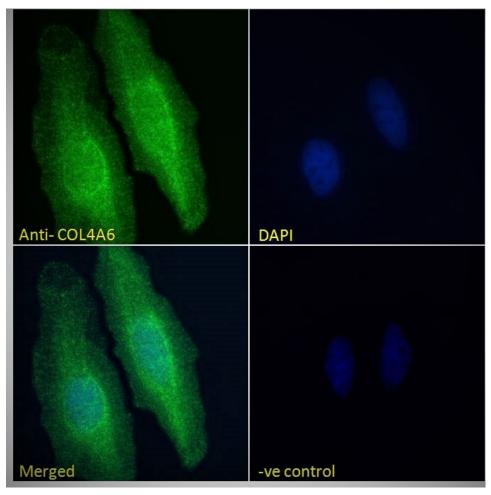
Immunofluorescence: Strong expression of the protein seen in the endoplasmic reticulum of HeLa and in the endoplasmic reticulum and membranes of U2OS cells. Recommended concentration: 10µg/ml.

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

Species Reactivity

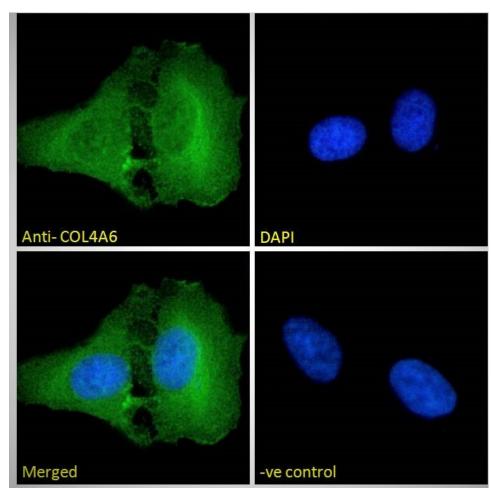
Tested: Human

Expected from sequence similarity: Human



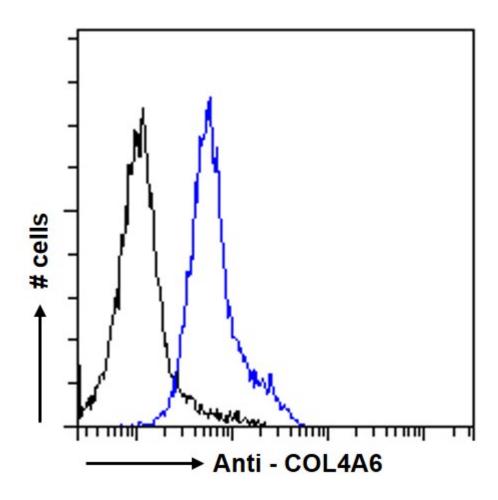
EB09587 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton.

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.