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Research Use Only. Not for diagnostic or therapeutic use.

EB12501 - Goat Anti-CD47 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CD47, CD47 molecule, IAP, MER6, OA3, CD47 antigen (Rh-related antigen, integrin-associated signal transducer), CD47 glycoprotein, Rh-related antigen, antigen identified by monoclonal antibody 1D8, antigenic surface determinant protein

OA3, integrin associ
Official Symbol: CD47

Accession Number(s): NP_001768.1; NP_942088.1; NP_001369235.1

Human GeneID(s): 961

Important Comments: This antibody; is expected to recognize all reported isoforms

(NP_001768.1; NP_942088.1; NP_001369235.1).

Immunogen

Peptide with sequence C-SNQKTIQPPRK, from the internal region (near C terminus) of the protein sequence according to NP_001768.1; NP_942088.1; NP_001369235.1.

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 1:128000.

IHC: Paraffin embedded Human Brain (Cortext). Recommended concentration: 6-7µg/ml.

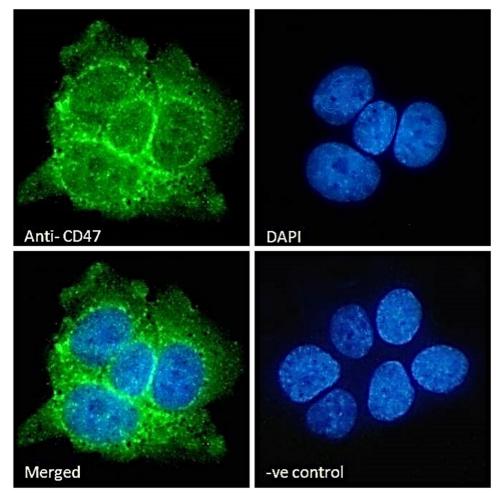
Immunofluorescence: Strong expression of the protein seen in the cytoplasm and membrane of A431 and THP-1 cells, and additionally in the nucleus of U2OS cells.

Recommended concentration: 10µg/ml.

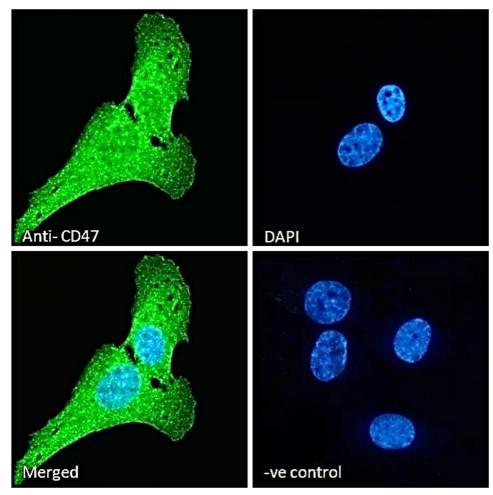
Species Reactivity

Tested: Human

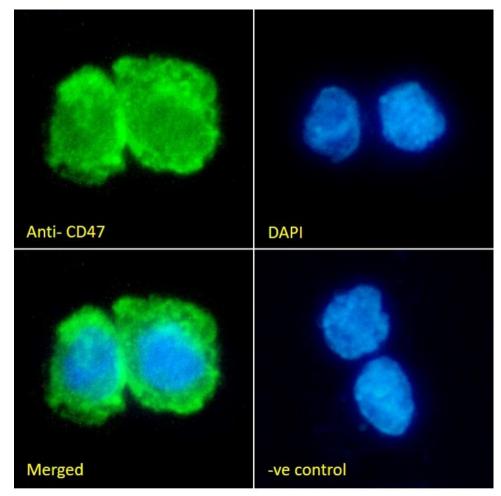
Expected from sequence similarity: Human, Dog



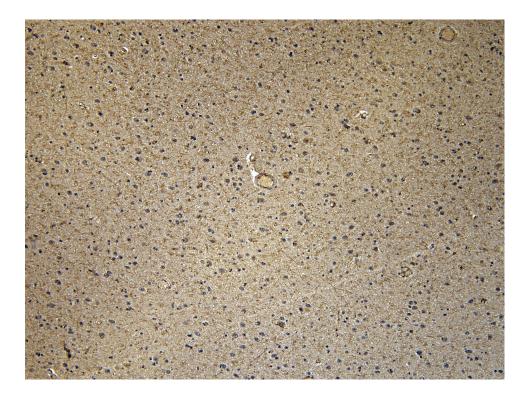
EB12501 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

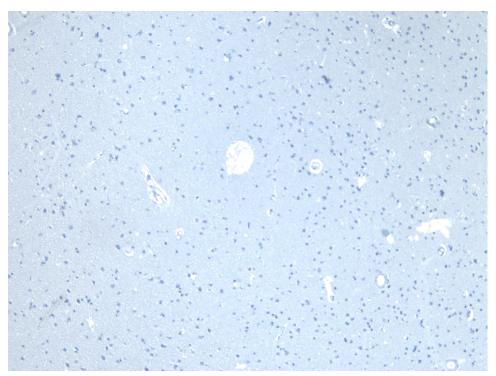


EB12501 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane, cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12501 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).





EB12501 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.