

## UK Office

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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.

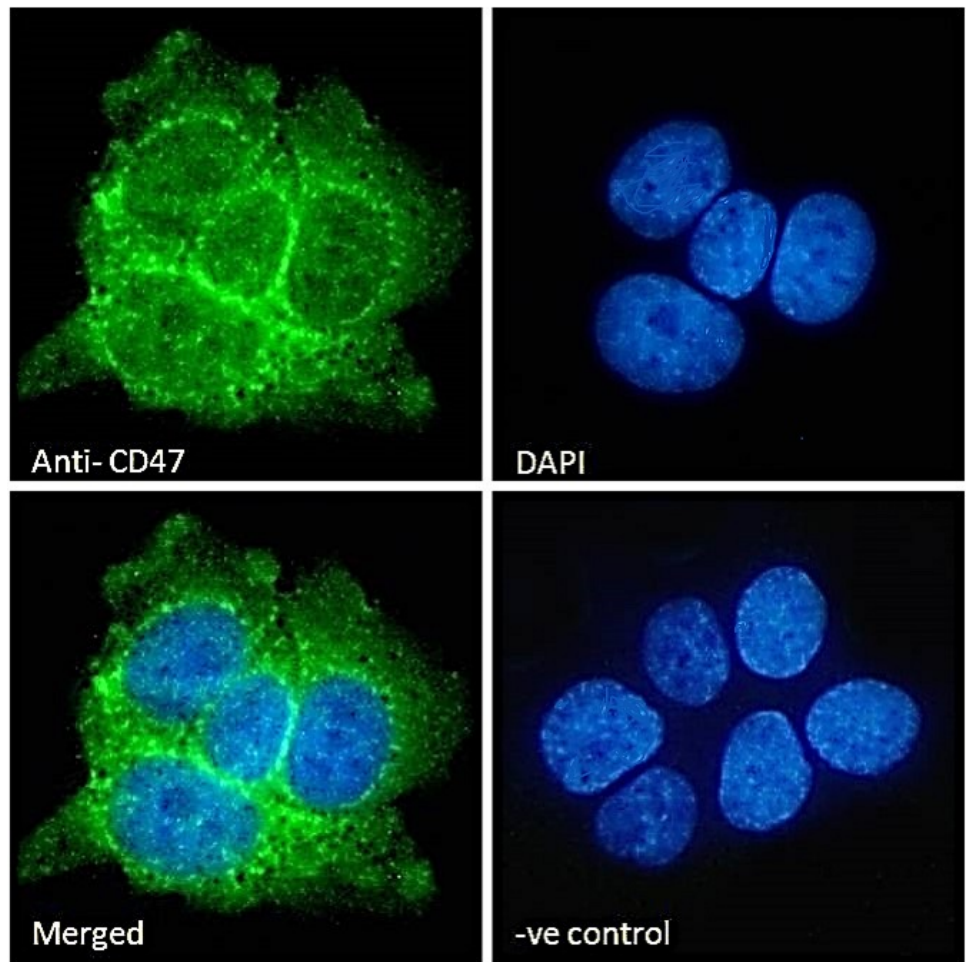
**IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 6-7µg/ml.

**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.

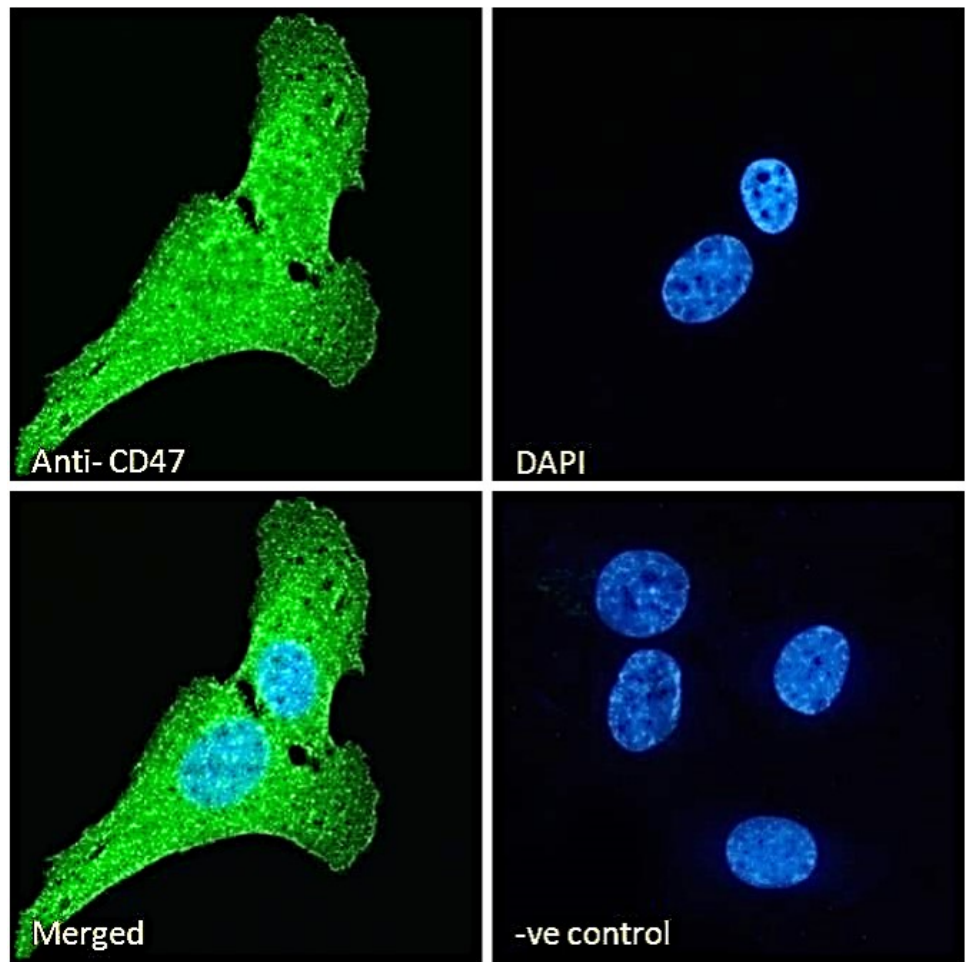
### Species Reactivity

**Tested:** Human

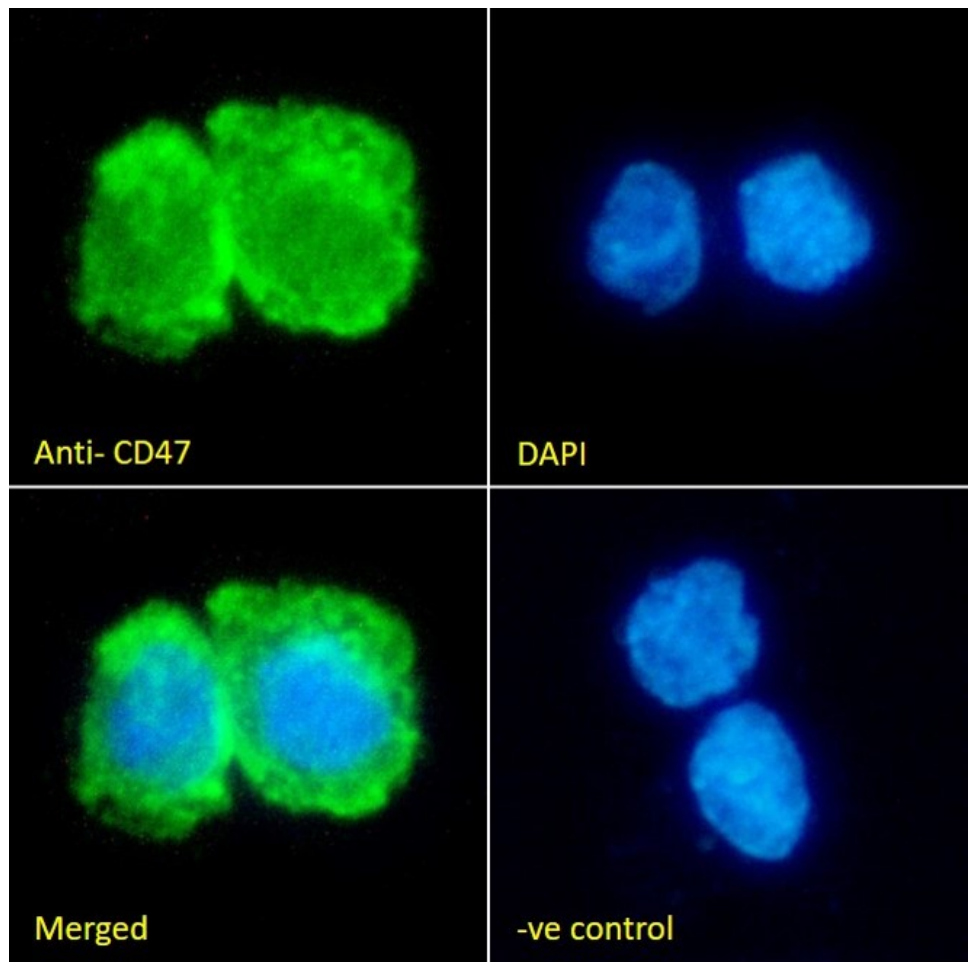
**Expected from sequence similarity:** Human, Dog



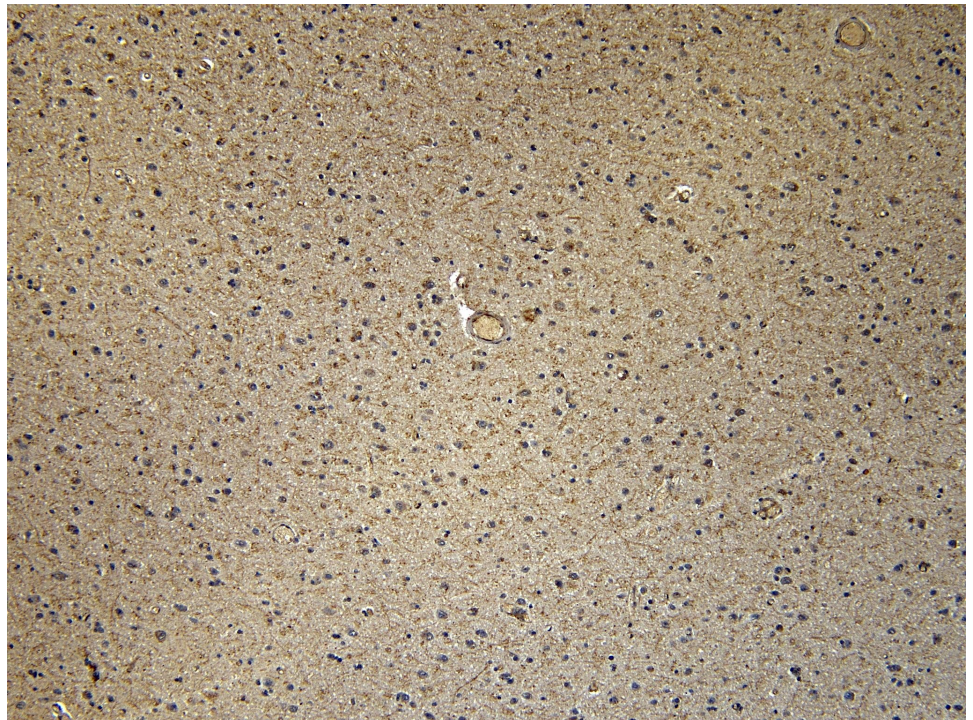
EB12501 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized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

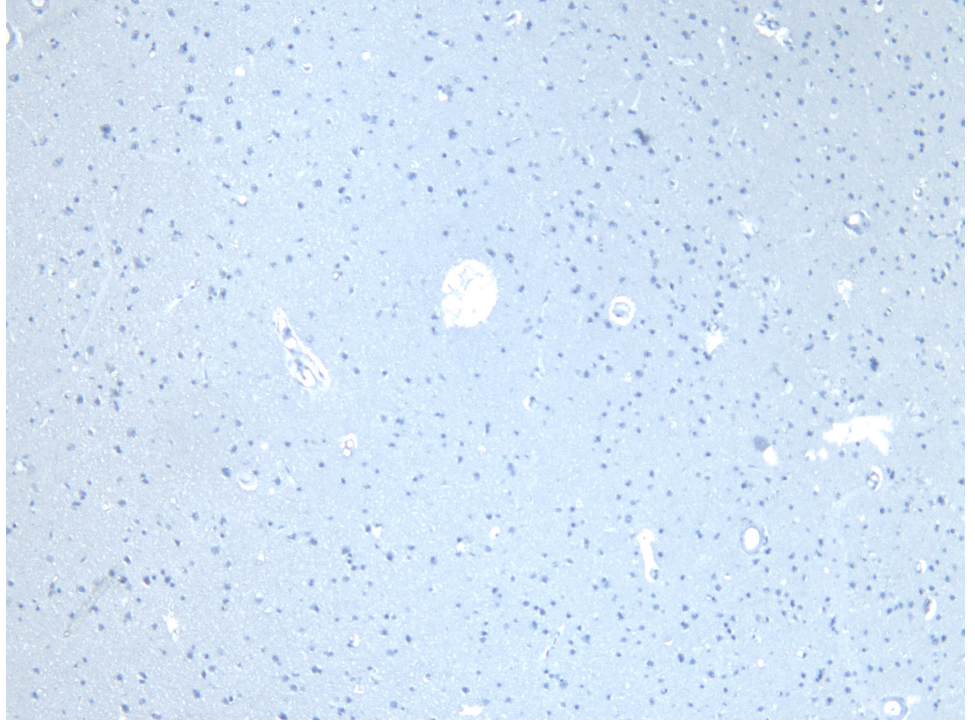


EB12501 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on Shifit<sup>TM</sup> coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain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





EB12501 (7µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



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