

## UK Office

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

## EB11695 - Goat Anti-NCKAP1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** FLJ11291, HEM2, KIAA0587, membrane-associated protein HEM-2, MGC8981, NAP 1, NAP1, NAP125, NCKAP1, NCK-associated protein 1, OTTHUMP00000163460, OTTHUMP00000163461, p125Nap1

**Official Symbol:** NCKAP1

**Accession Number(s):** NP\_038464.1; NP\_995314.1

**Human GeneID(s):** [10787](#)

**Non-Human GeneID(s):** 50884 (mouse), 58823 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_038464.1; NP\_995314.1).

### Immunogen

Peptide with sequence C-TPREYLTSLEIR, from the internal region of the protein sequence according to NP\_038464.1; NP\_995314.1.

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.

**Western blot:** Preliminary experiments gave an approx 100kDa band in Human Cerebellum, Cerebral Cortex, Skin and Tonsil lysates after 0.5µg/ml antibody staining, and was successfully blocked by incubation with the immunizing peptide. Please note the calculated MWt.is 129kDa according to NP\_038464.1 and approx. 110-125kDa bands have been observed by other sources.

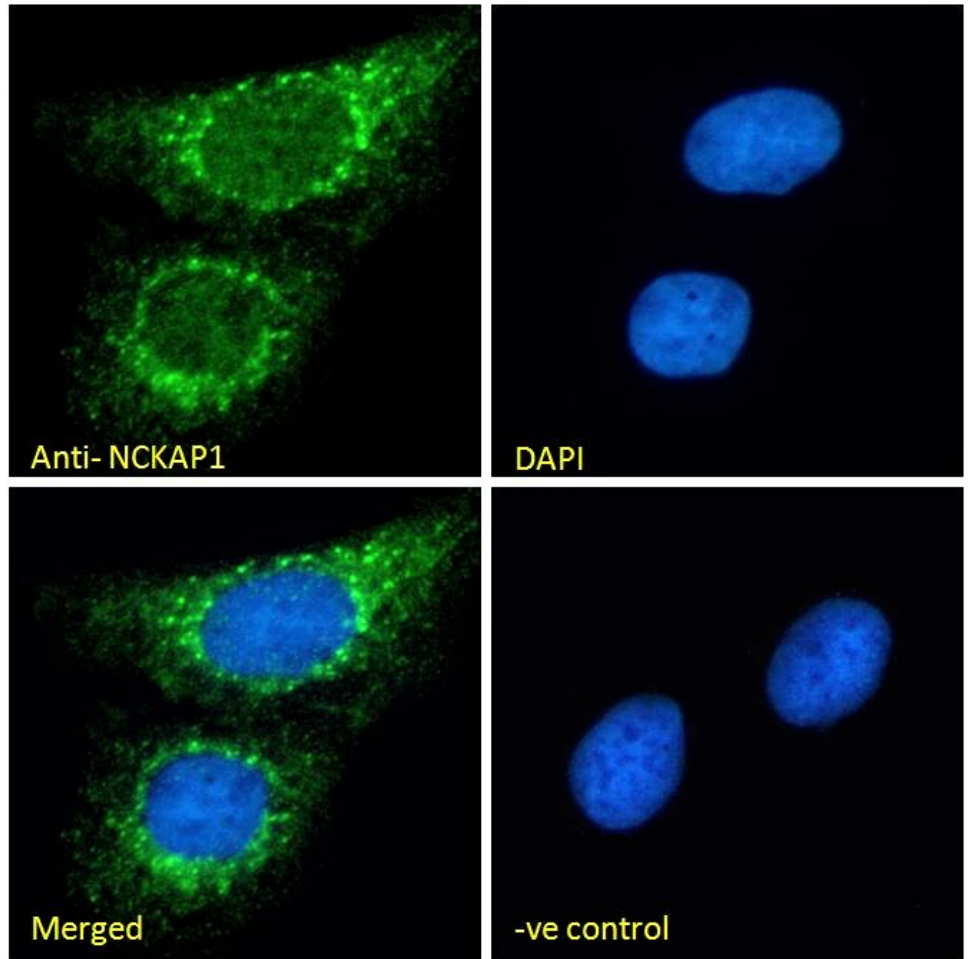
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of U2OS and A431 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

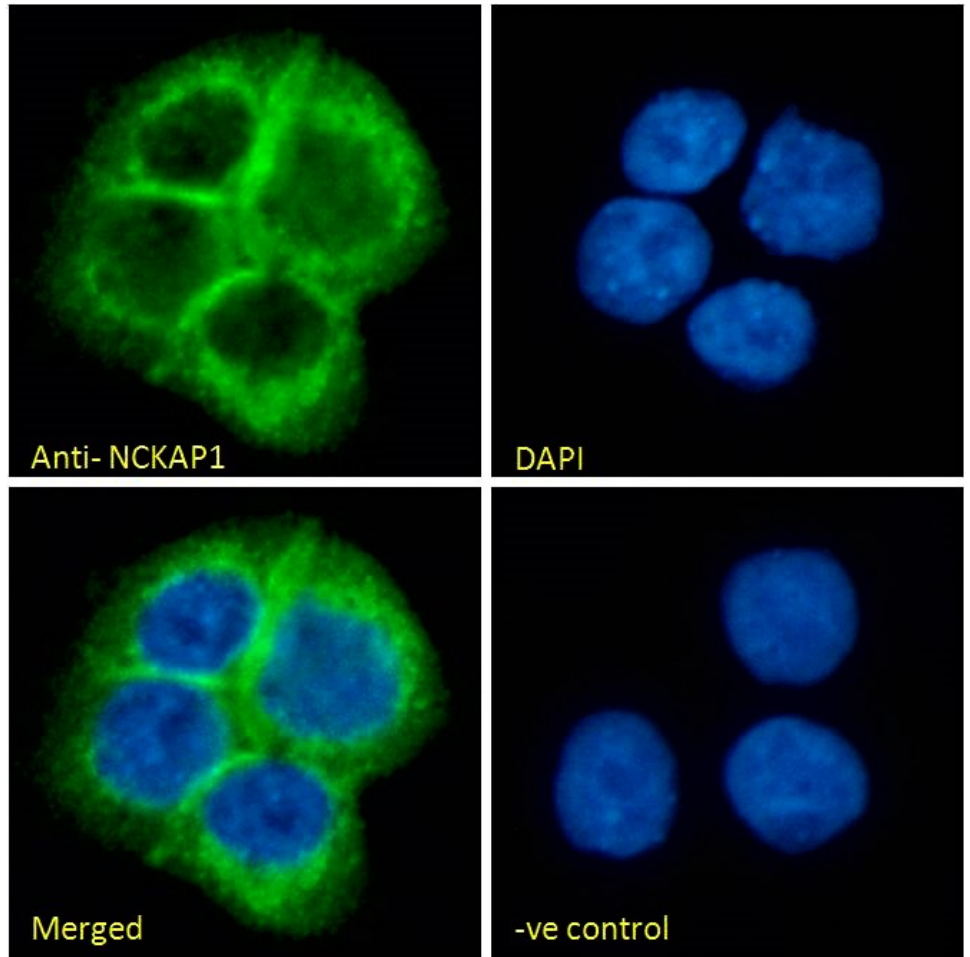
### Species Reactivity

**Tested:** Human

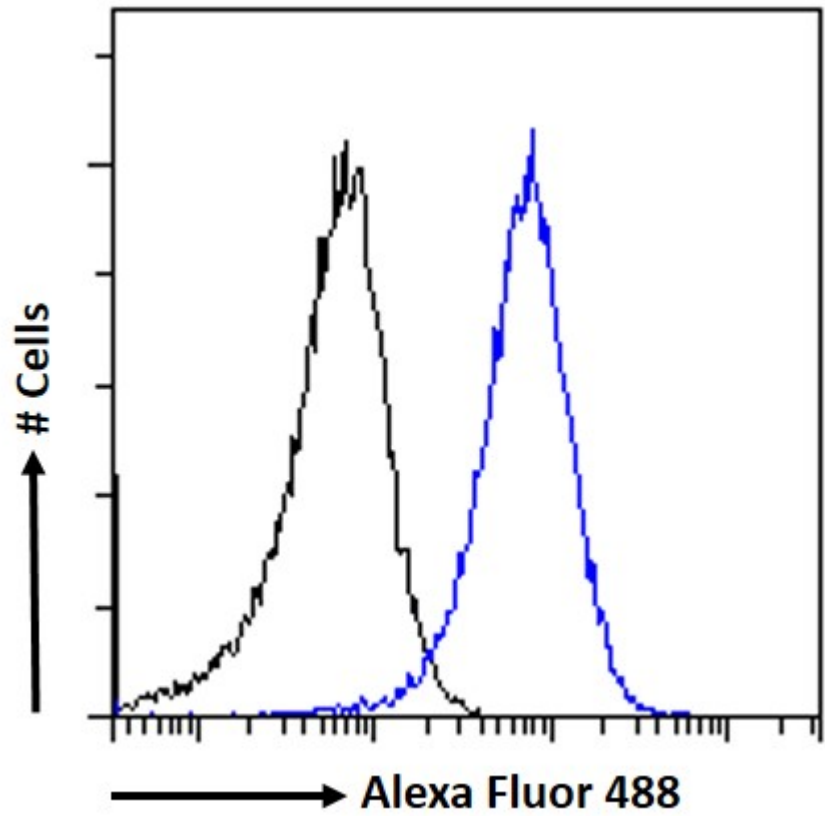
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



EB11695 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 cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11695 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11695 Flow cytometric analysis of paraformaldehyde fixed A431 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.