



## International Office

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

## EB10898 - Goat Anti-MKRN1 (aa105-118) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MKRN1, makorin ring finger protein 1, FLJ21334, RNF61, E3 ubiquitin-protein ligase makorin-1, OTTHUMP00000212121, OTTHUMP00000212124, RING finger protein 61

**Official Symbol:** MKRN1

**Accession Number(s):** NP\_038474.2; NP\_001138597.1; NP\_001278592.1

**Human GeneID(s):** [23608](#)

**Non-Human GeneID(s):** 54484 (mouse)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_038474.2; NP\_001138597.1; NP\_001278592.1).

### Immunogen

Peptide with sequence C-RYEHKPLKQEEAT, from the internet region of the protein sequence according to NP\_038474.2; NP\_001138597.1; NP\_001278592.1.

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 1:64000.

**Western blot:** Approx. 55kDa band observed in lysates of cell line THP-1 and in Human Testis lysates (calculated MW of 53.3kDa according to NP\_038474.2). Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature. **Positive**

**Control:** A batch specific positive control lysate is available for this product. Please contact [Sales@everestbiotech.com](mailto:Sales@everestbiotech.com) for availability.

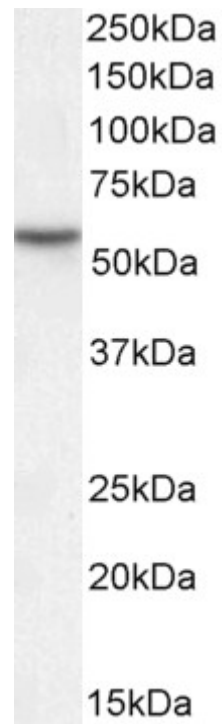
**Immunofluorescence:** Strong expression of the protein seen in the nuclei and cytoplasm of U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of THP-1 cells. Recommended concentration: 10µg/ml.

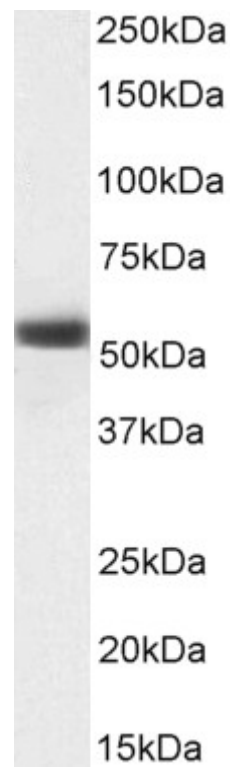
### Species Reactivity

**Tested:** Human

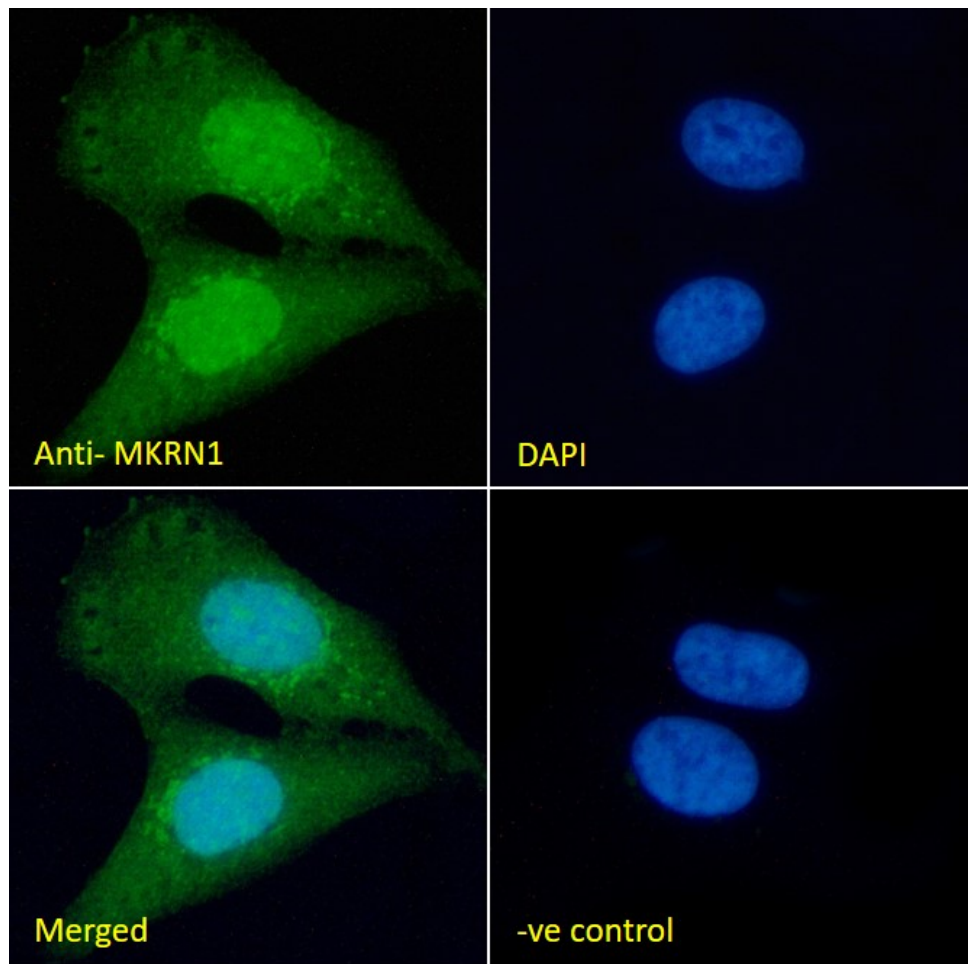
**Expected from sequence similarity:** Human, Cow



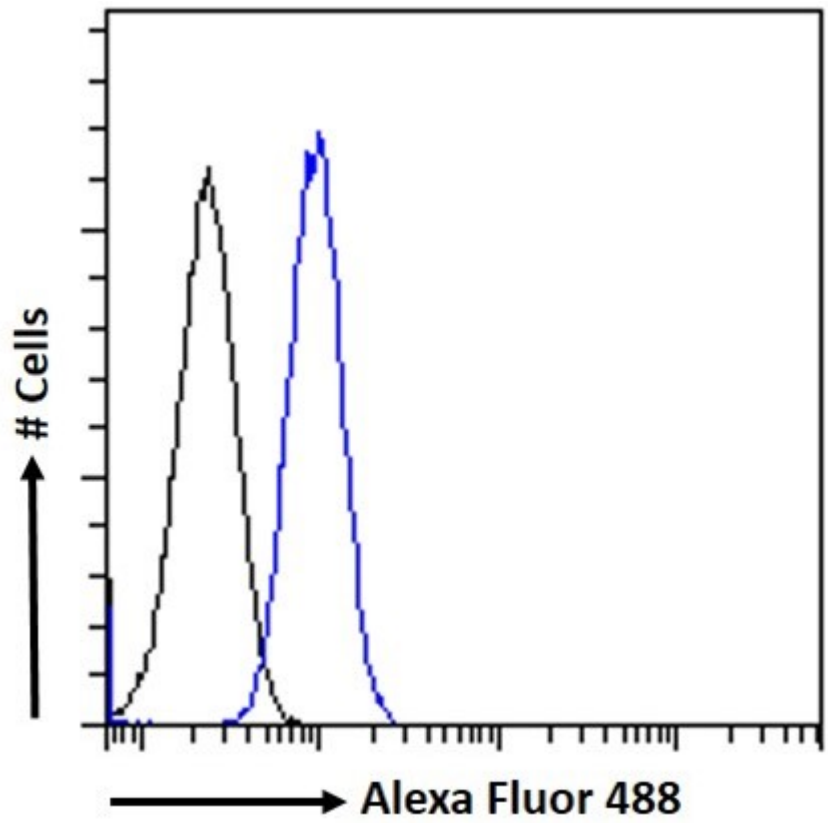
EB10898 (0.5 $\mu$ g/ml) staining of THP-1 cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10898 (0.5 $\mu$ g/ml) staining of Human Testes lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10898 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 nuclear 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).



EB10898 Flow cytometric analysis of paraformaldehyde fixed THP-1 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.