



## International Office

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

## EB08994 - Goat Anti-PSCA (aa27-40) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PSCA, prostate stem cell antigen, PRO232

**Official Symbol:** PSCA

**Accession Number(s):** NP\_005663.2

**Human GeneID(s):** [8000](#)

### Immunogen

Peptide with sequence KQVSNEDCLQVEN, from the internal region of the protein sequence according to NP\_005663.2.

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 1:1000.

**Western blot:** Preliminary testing showed a band at <15kDa in Human Colon lysate at a concentration of 2ug/ml (calculated Mwt.of 12.9kDa according to NP\_005663.2). Primary incubation 1 hour at room temperature.

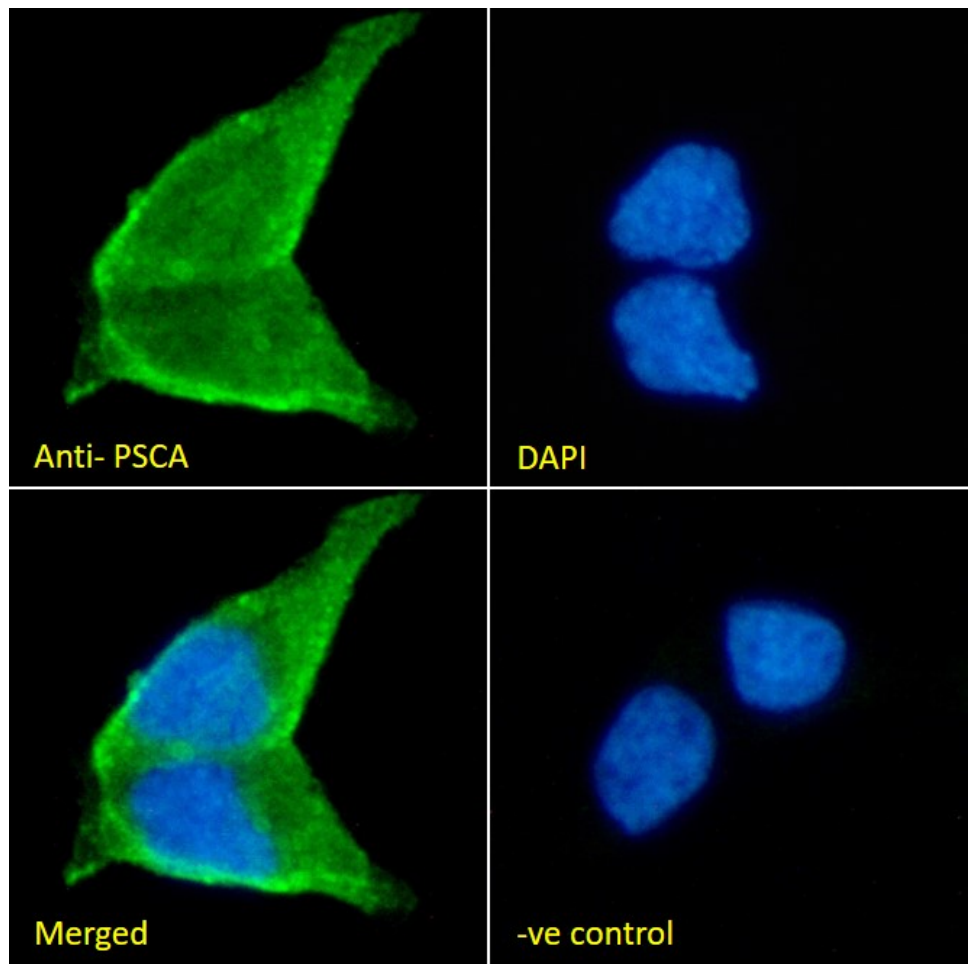
**Immunofluorescence:** Strong expression of the protein seen in the membranes of LNCaP cells. Recommended concentration: 10µg/ml.

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

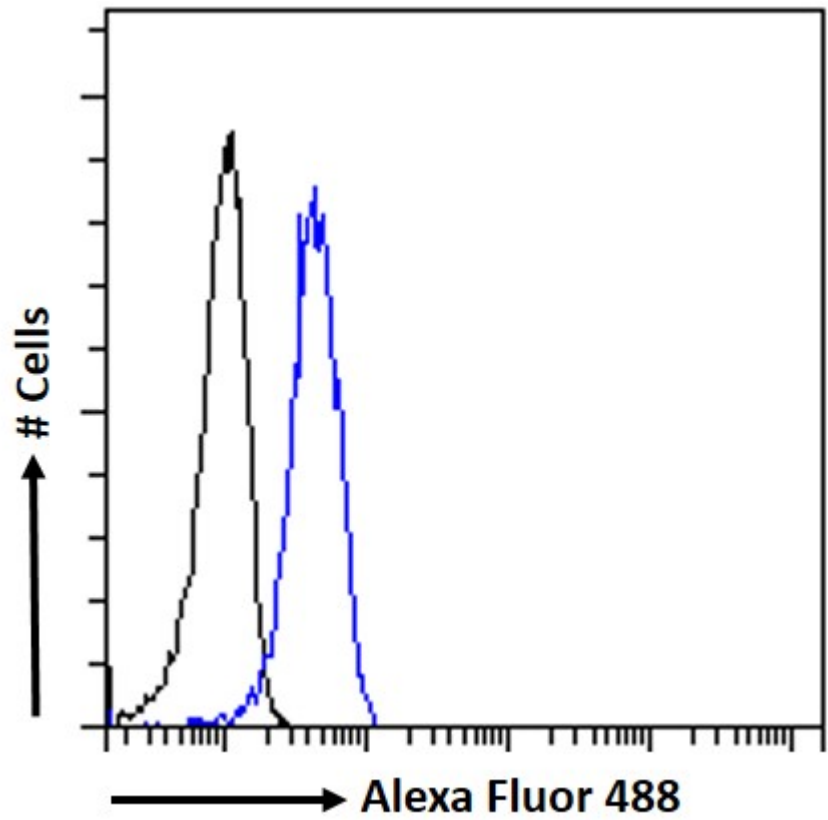
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB08994 Immunofluorescence analysis of paraformaldehyde fixed LNCaP cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08994 Flow cytometric analysis of paraformaldehyde fixed LNCaP 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.