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# EB08525 - Goat Anti-CTDSPL Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** CTDSPL, CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like, C3orf8, HYA22, PSR1, SCP3, small CTD

phosphatase 3

Official Symbol: CTDSPL

Accession Number(s): NP\_001008393.1; NP\_005799.2

Human GeneID(s): 10217

**Important Comments:** This antibody is expected to recognise both isoforms

(NP\_001008393.1; NP\_005799.2).

## Immunogen

Peptide with sequence QCNVSLKKQRSRS, from the internal region of the protein sequence according to NP\_001008393.1; NP\_005799.2.

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 1:32000.

**Western blot:** Preliminary testing showed a band at approx 28kDa in nuclear lysate of cell lines A431 and HeLa, after 1-2μg/ml antibody staining (calculated Mwt of 29.9kDa according to NP\_005799.2). Primary incubation 1 hour at room temperature.

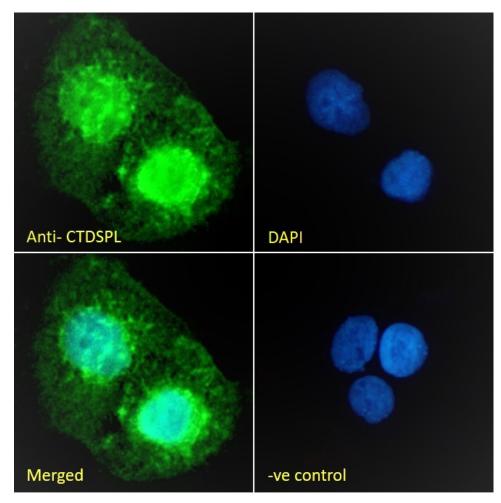
**Immunofluorescence:** Strong expression of the protein seen in the nuclei and vesicles of A431 cells. Recommended concentration: 10µg/ml.

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

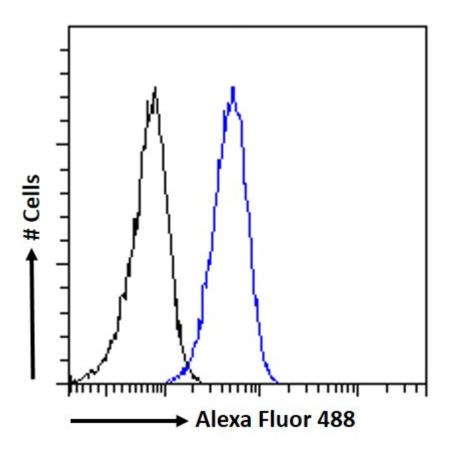
## **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Dog



EB08525 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 nuclear and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08525 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.