International Office

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EB11496 - Goat Anti-USP6 (aa142-155) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: deubiquitinating enzyme 6, HRP1, hyperpolymorphic gene 1, OTTHUMP00000125301, proto-oncogene TRE-2, TRE17, TRE2, Tre-2, tre-2 oncogene, ubiquitin carboxyl-terminal hydrolase 6, ubiquitin specific peptidase 6-, ubiquitin specific peptidase 6 (Tre-2 oncogene), ubiquitin specific protease 6 (Tre-2 oncogene), ubiquitin thioesterase 6, ubiquitin thiolesterase 6, ubiquitin-specific protease USP6, ubiquitin-specific-processing protease 6, USP6, USP6-short
Official Symbol: USP6
Accession Number(s): NP_004496.2
Human GeneID(s): 9098
Non-Human GeneID(s): 237898 (mouse)
Important Comments: This antibody is expected NOT to cross react to USP32 or to the TBC1D3 proteins.

Immunogen

Peptide with sequence C-HHIDLDVRTTLRNH, from the internal region (near N Terminus) of the protein sequence according to NP_004496.2.

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

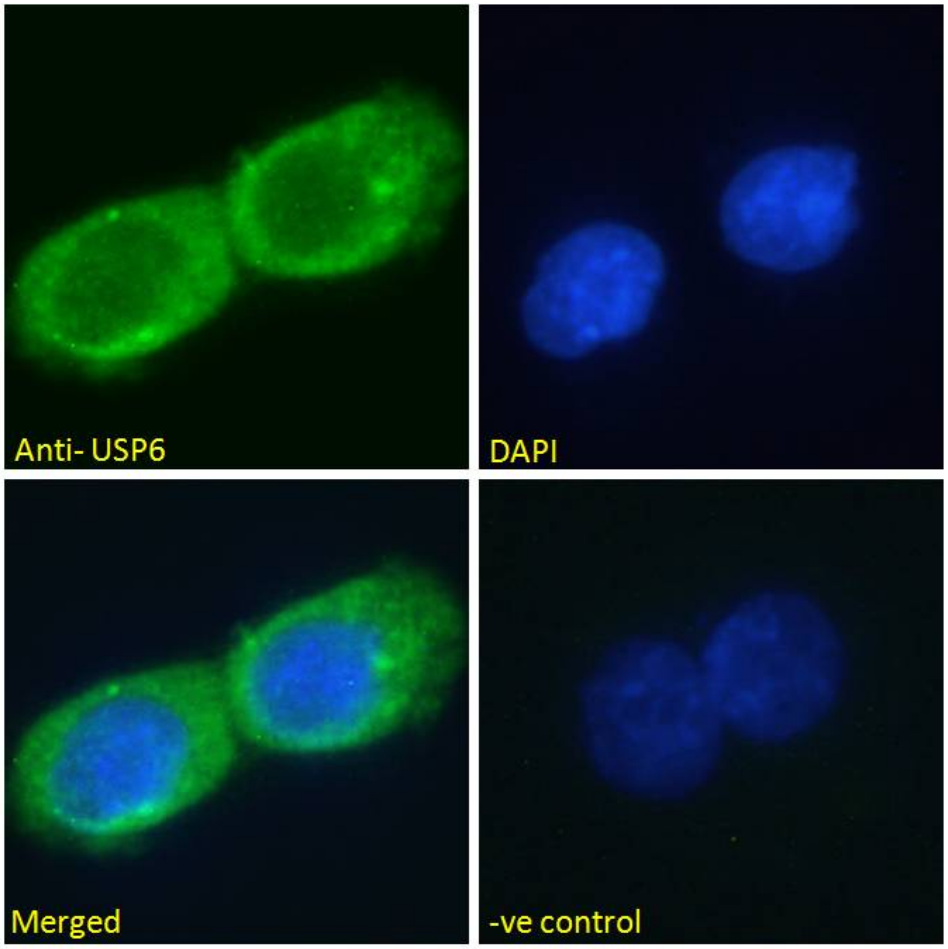
Peptide ELISA: antibody detection limit dilution 1:4000.
Western blot: Preliminary experiments in Human Testis, Prostate and Placenta lysates gave no specific signal but low background at antibody concentration up to 1µg/ml.

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

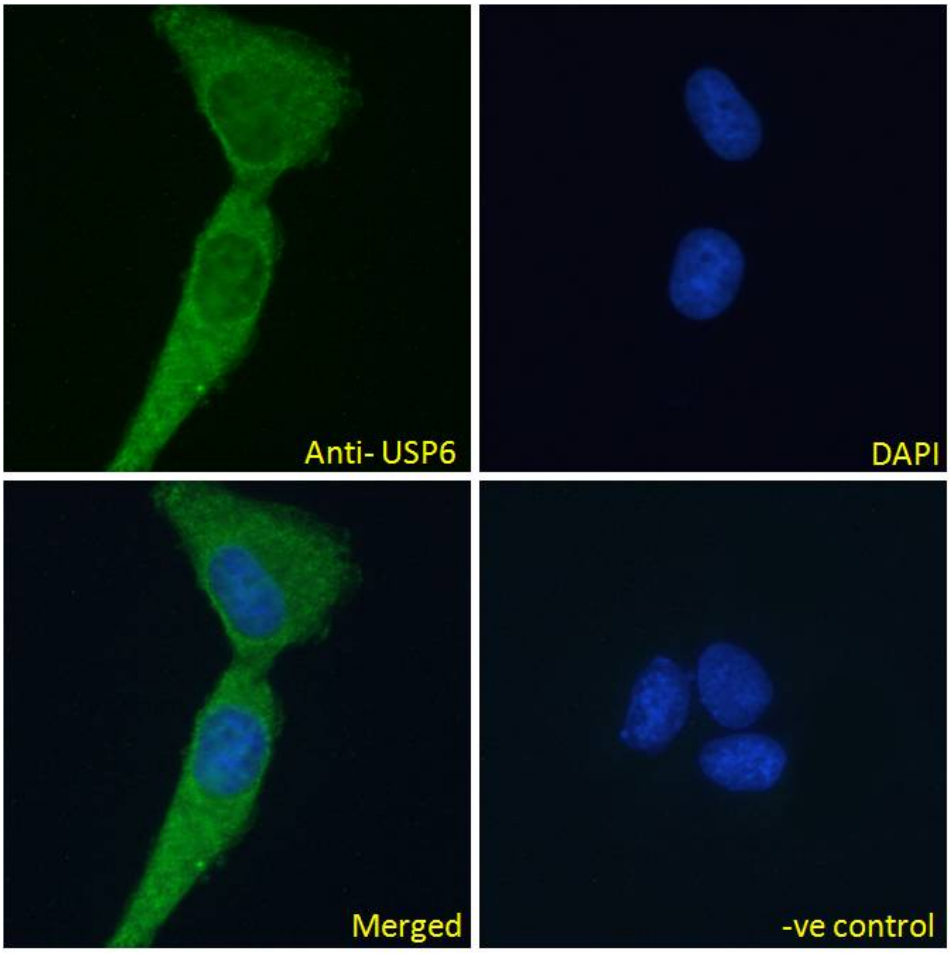
Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

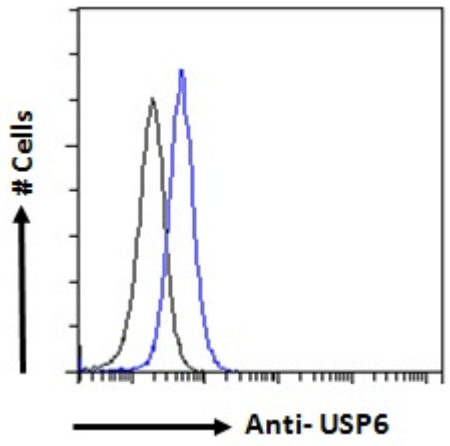
Tested: Human
Expected from sequence similarity: Human



EB11496 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/vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11496 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).



EB11496 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation overnight (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.