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EB08932 - Goat Anti-SEPT6 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: SEPT6, septin 6, KIAA0128, MGC16619, MGC20339, SEP2, SEPT2, septin 2
Official Symbol: SEPTIN6
Accession Number(s): NP_665798.1; NP_055944.2; NP_665801.1
Human GeneID(s): 23157
Important Comments: This antibody is expected to recognize the reported isoforms NP_665798.1, NP_055944.2 and NP_665801.1. Reported variants NP_665799.1 and NP_665798.1 represent identical protein.

Immunogen

Peptide with sequence C-DEVNAFKQRKTA, from the internal region of the protein sequence according to NP_665798.1; NP_055944.2; NP_665801.1.

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

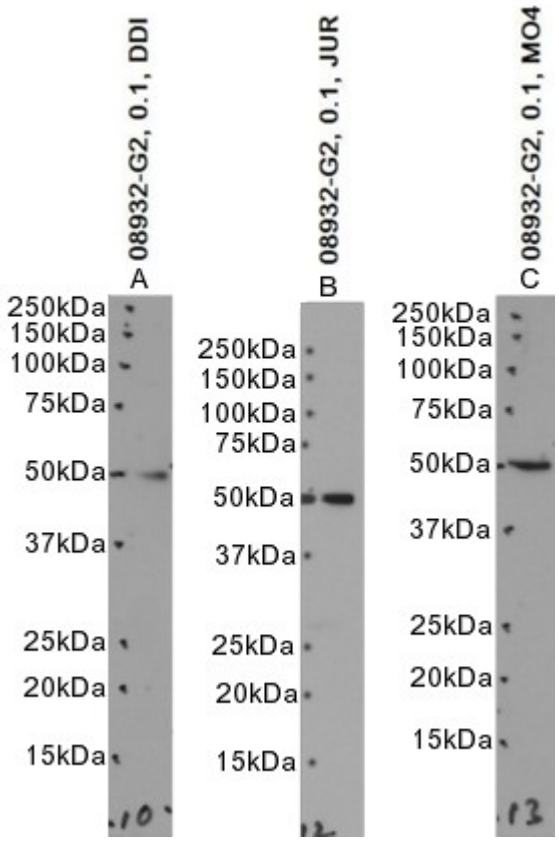
Peptide ELISA: antibody detection limit dilution 1:4000.
Western blot: Approx 50kDa band observed in Human Testis, Duodenum, Kidney and Tonsil lysates, and in lysates of cell lines Daudi, Jurkat and MOLT-4 (calculated MW of 49.7kDa according to NP_055944.2). Recommended concentration: 0.1-1µg/ml. Primary incubation 1 hour at room temperature.
IHC: In paraffin embedded Human Tonsil shows specific staining in dividing cells just outside a germinal centre. Recommended concentration: 3-5µg/ml.

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

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

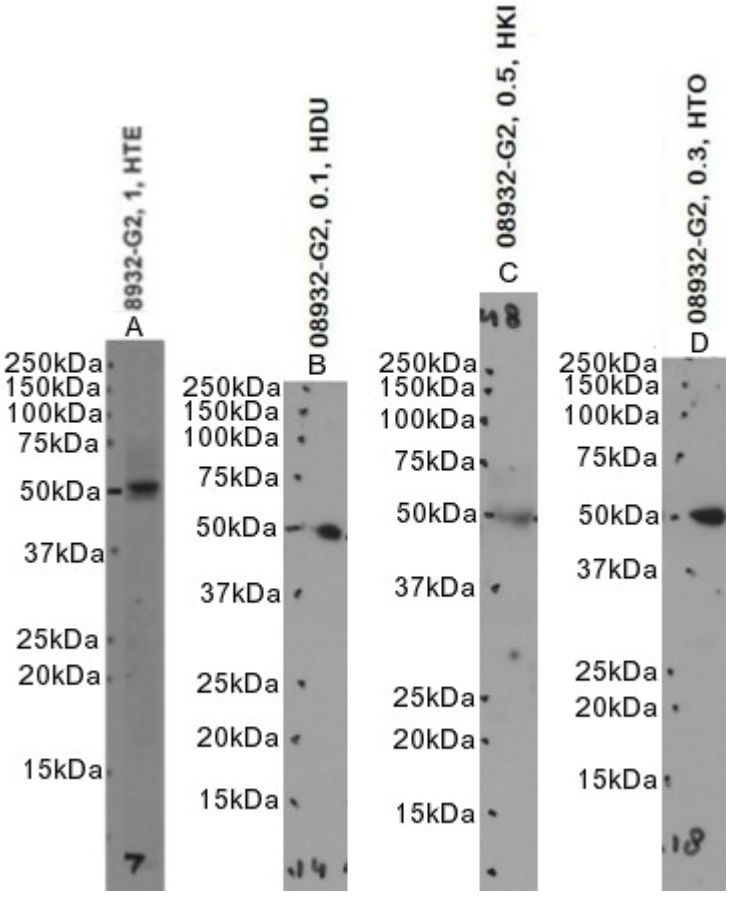
Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Cow



EB08932 optimised QC. Primary incubation 1 hour at room temperature.

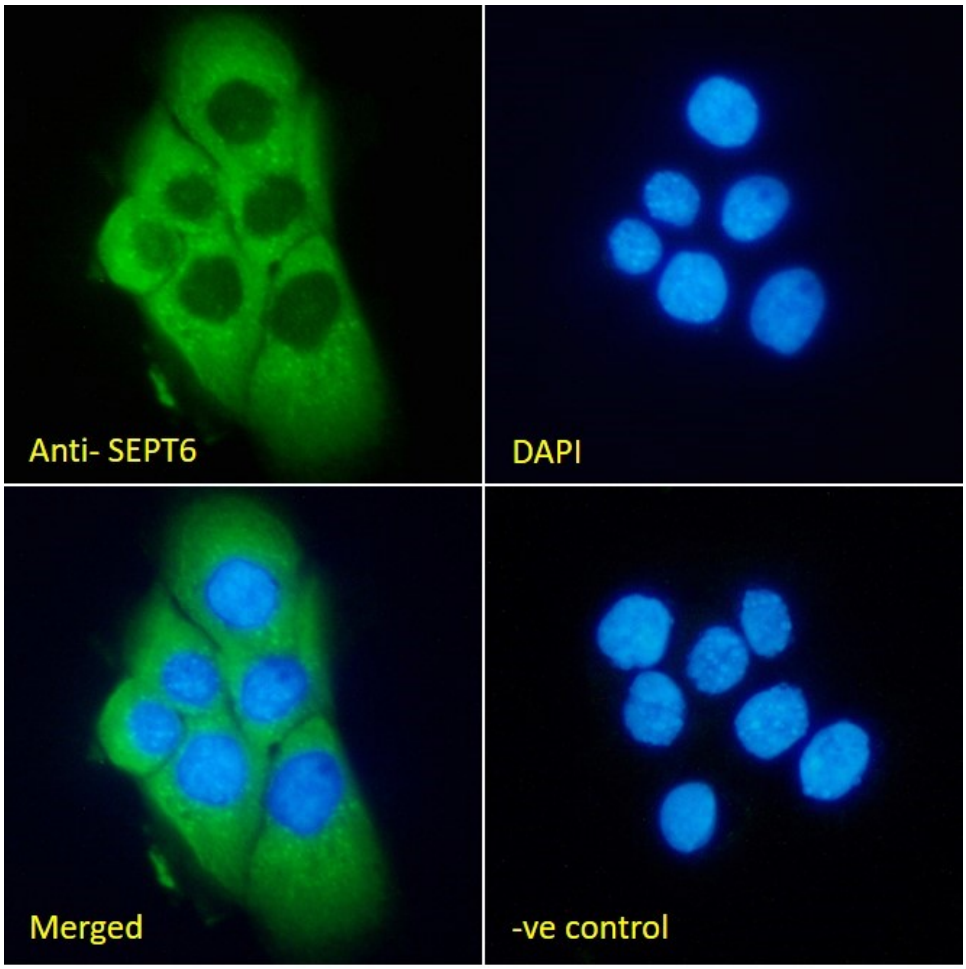
Images A, B, C: Daudi, Jurkat, MOLT-4 cell lysates at primary Ab concentration 0.1ug/ml (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



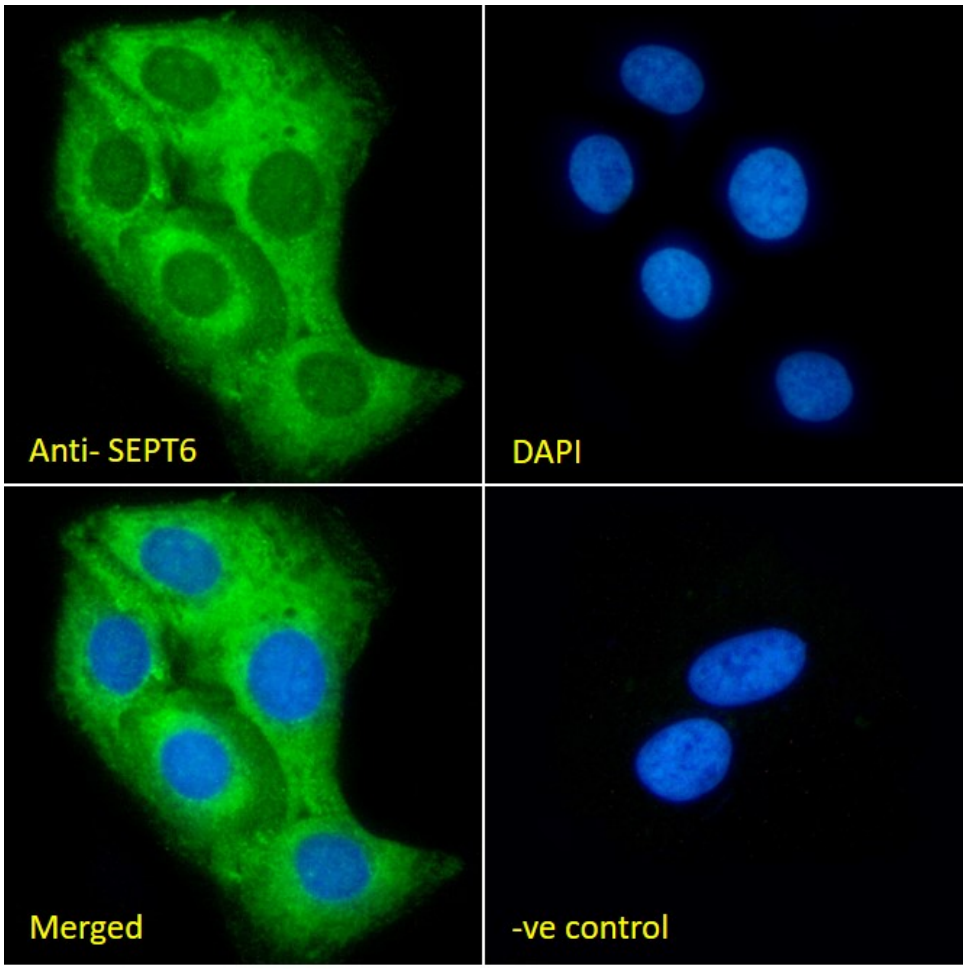
Auto-generated 29/08/2025

EB08932 optimised QC. Primary incubation 1 hour at room temperature.

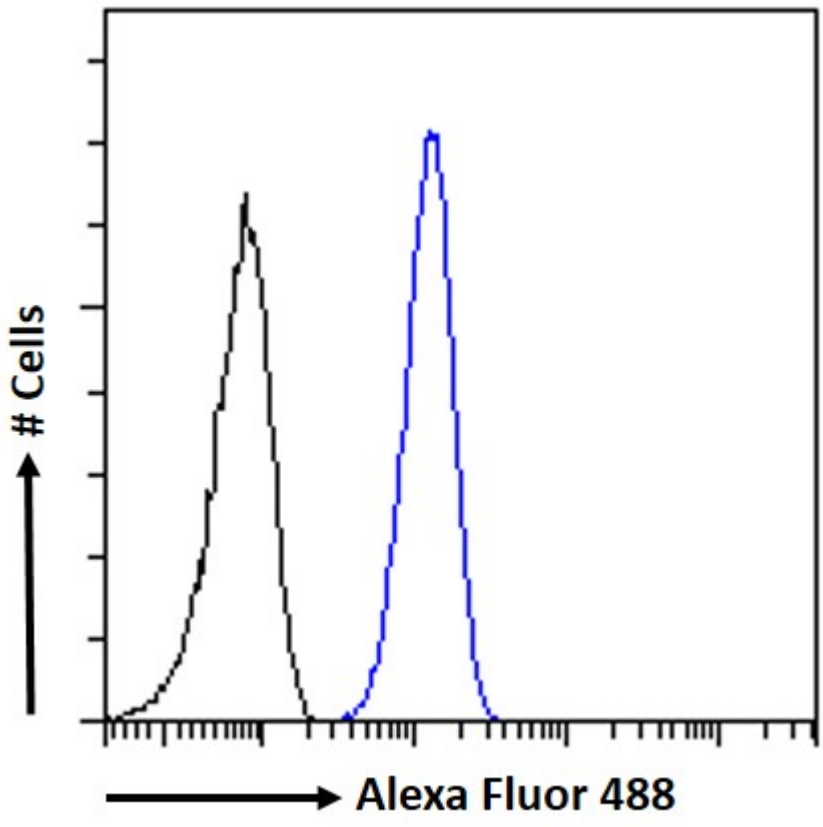
Image A: Human Testes lysate at primary Ab concentration 1ug/ml, Image B: Human Duodenum lysate at primary Ab concentration 0.1ug/ml, Image C: Human Kidney lysate at primary Ab concentration 0.5ug/ml, Image D: Human Tonsil lysate at primary Ab concentration 0.3ug/ml (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



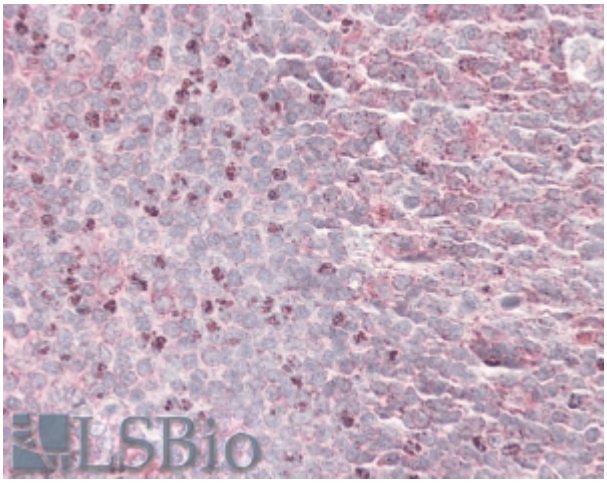
EB08932 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08932 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).



EB08932 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.



EB08932 (3.8µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.