UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326
Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore
405 Maple Street, Suite A106
Ramona,
CA 92065
USA

Inquiries:
info@everestbiotech.com
Sales:
usasales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: 888-320-4628 (toll-free)
Fax: 888-841-9041

www.everestbiotech.com

EB05294 - Goat Anti-FOXP3 / SCURFIN Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: FOXP3, SCURFIN, forkhead box P3, JM2, AIID, IPEX, PIDX, XPID, DIETER, JM2 protein, immunodeficiency, polyendocrinopathy, enteropathy, X-linked, immune dysregulation, polyendocrinopathy, enteropathy, X-linked, MGC141961, MGC141963, FOXP3delta7, scurfin
Official Symbol: FOXP3
Accession Number(s): NP_054728.2; NP_001107849.1
Human GeneID(s): 50943
Important Comments: This antibody is expected to recognize both reported isoforms (NP_054728.2 and NP_001107849.1)

Immunogen

Peptide with sequence SQRPSRCSNPTPGP, from the C Terminus of the protein sequence according to NP_054728.2; NP_001107849.1.

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 1:8000.
Western blot: Approx 48-50kDa band observed in Human Muscle lysates and in lysates of cell line MOLT4 (calculated MW of 47.2kDa according to NP_054728.2).
Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.
Negative Control: Human Pancreas lysate.

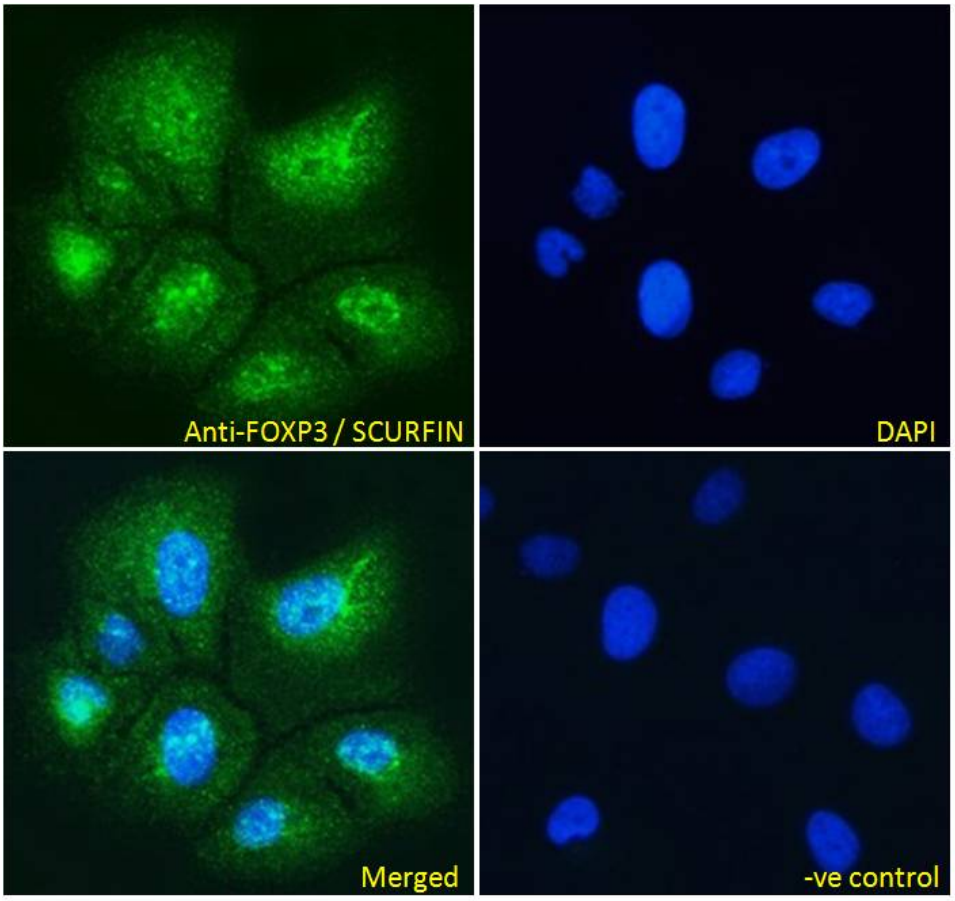
Immunofluorescence: Strong expression of the protein seen in the nucleoplasm of U2OS cells. Recommended concentration: 10µg/ml.

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

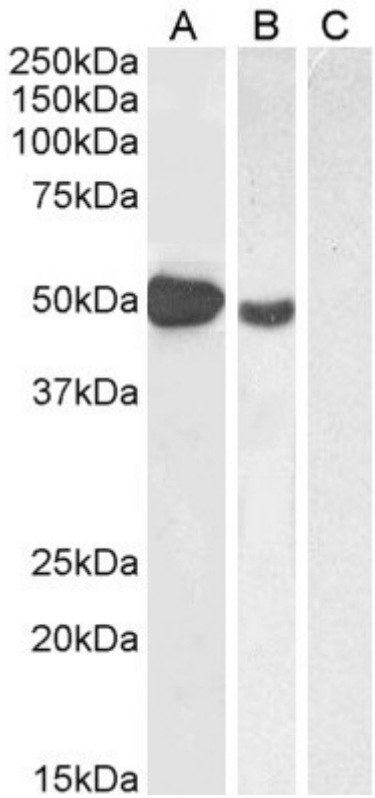
Immunocytochemistry: CD25-sorted (Treg) Human blood cells with nuclear speckled staining. Recommended concentration 2-4ug/ml for overnight staining.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human

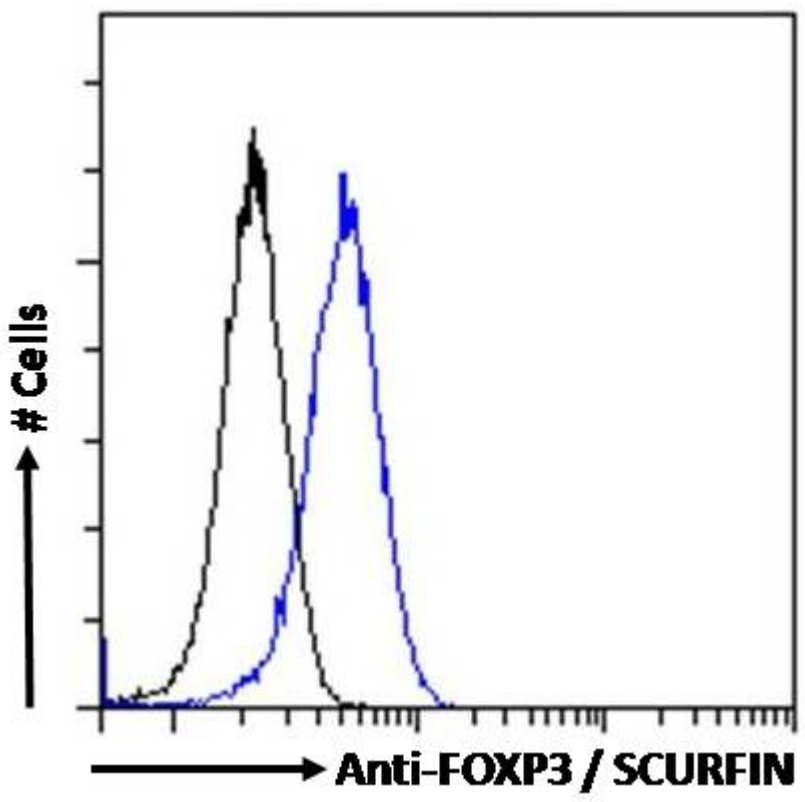


EB05294 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing strong localization to nucleoplasm. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

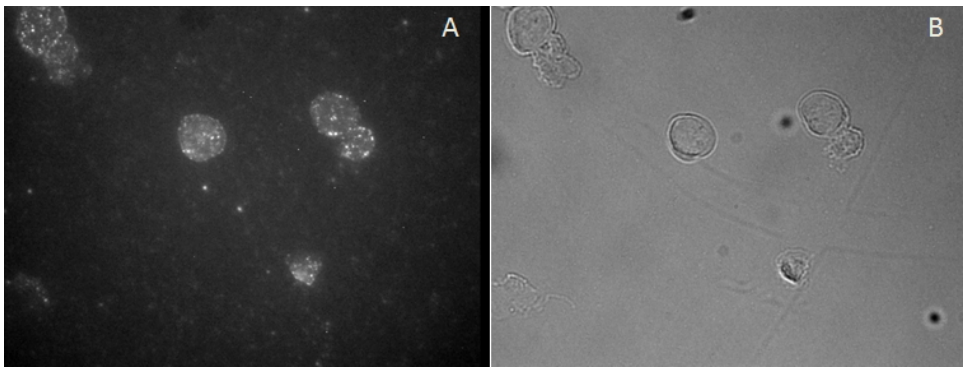


Auto-generated 17/08/2018

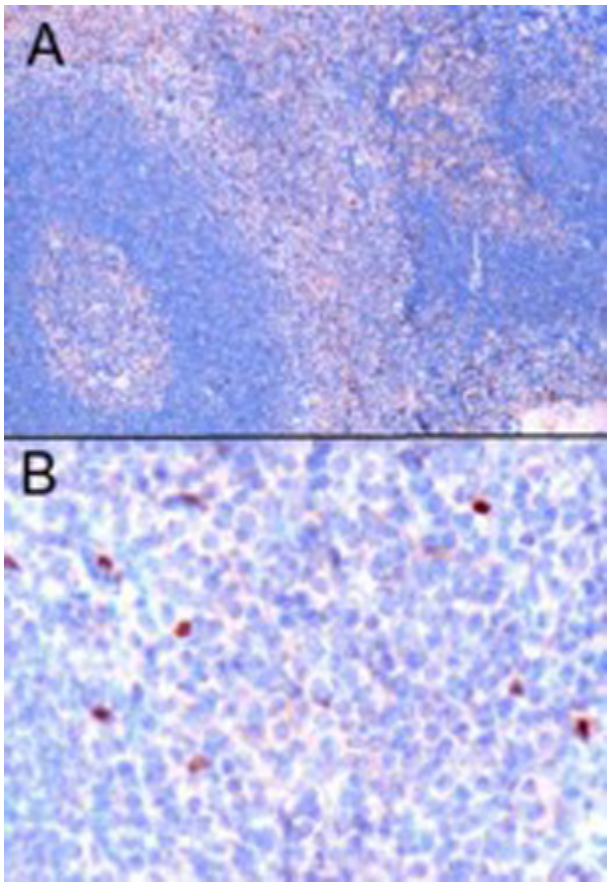
EB05294 (1µg/ml) staining of Human Muscle (A), (2ug/ml) MOLT4 (B) and (1µg/ml) negative control Pancreas (C) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB05294 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB05294 staining of CD25-sorted (Treg) Human blood cells gathered by cytospin and detected by FITC (A) and in phase contrast (B).



EB05294 (1µg/ml) staining of paraffin embedded Human Tonsil. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining. A) Nuclear staining of scattered cells in the interfollicular area. B) High magnification of positive cells. **This data is from a previous batch, not on sale.**