

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

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB12072 - Goat Anti-ASCL1 (aa79-91) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ASCL1, achaete-scute complex homolog 1 (Drosophila), ASH1, HASH1, MASH1, bHLHa46, ASH-1, achaete scute protein, achaete-scute complex-like 1,

achaete-scute homolog 1, class A basic helix-loop-helix protein 46

Official Symbol: ASCL1

Accession Number(s): NP_004307.2

Human GeneID(s): 429

Non-Human GenelD(s): 17172 (mouse), 64186 (rat)

Immunogen

Peptide with sequence C-HKSAPKQVKRQRS, from the internal region of the protein

sequence according to NP_004307.2.

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: Approx 28kDa band observed in Mouse and Rat Lung lysates (calculated MW of 24.7kDa according to Mouse NP_032579.2 and 24.9kDa according to Rat

NP_071779) . Recommended concentration: 0.3-1 $\mu g/ml.$

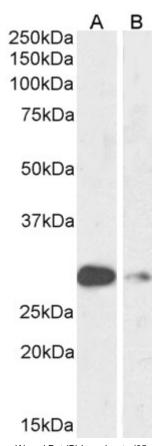
Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm

of MCF7 and U2OS cells. Recommended concentration: 10µg/ml.

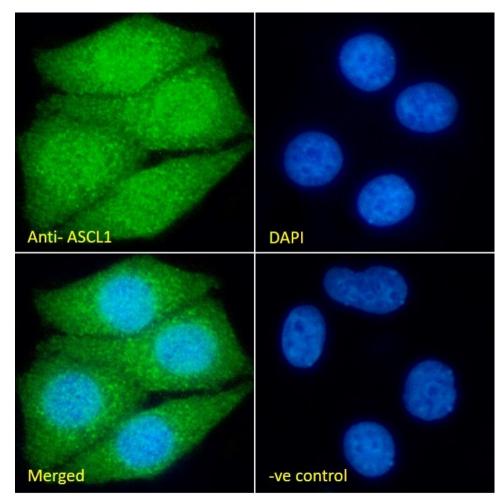
Species Reactivity

Tested: Human, Mouse, Rat

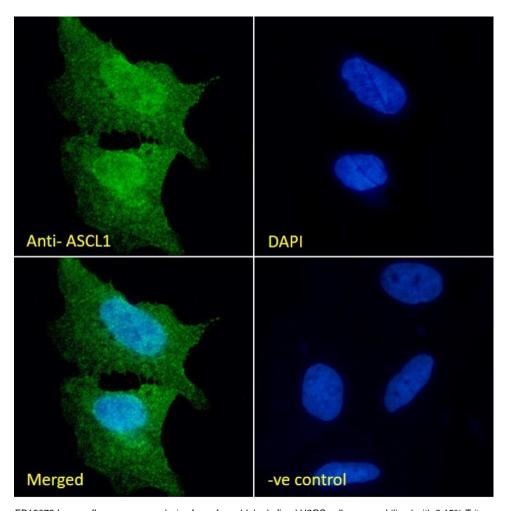
Expected from sequence similarity: Human, Cow, Mouse, Rat, Dog



EB12072 (1µg/ml) staining of Mouse (A) and Rat (B) Lung lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence



EB12072 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12072 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 nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).