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Research Use Only. Not for diagnostic or therapeutic use.

EB05073 - Goat Anti-STAT3 (isoform 1 and 2) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: STAT3, signal transducer and activator of transcription 3 (acute-phase response factor), APRF, DNA-binding protein APRF, acute-phase response factor,

FLJ20882, MGC16063, HIES Official Symbol: STAT3

Accession Number(s): NP_003141.2; NP_644805.1

Human GeneID(s): 6774

Non-Human GenelD(s): 20848 (mouse), 25125 (rat)

Important Comments: This antibody is expected to recognise isoforms 1 and 2 (as

represented by NP_644805.1 and NP_003141.2 respectively)

Immunogen

Peptide with sequence DMELTSECATSPM, from the C Terminus of the protein sequence according to NP_003141.2; NP_644805.1.

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 1:16000.

IHC: Paraffin embedded Human Liver. Recommended concentration: 6-7µg/ml.

 $\textbf{Immunofluorescence:} \ \textbf{Strong expression of the protein seen in the Golgi and cytoplasm}$

of HeLa and A431 cells. Recommen

Flow Cytometry: Flow cytometric analysis of A431 cells.. Recommended concentration:

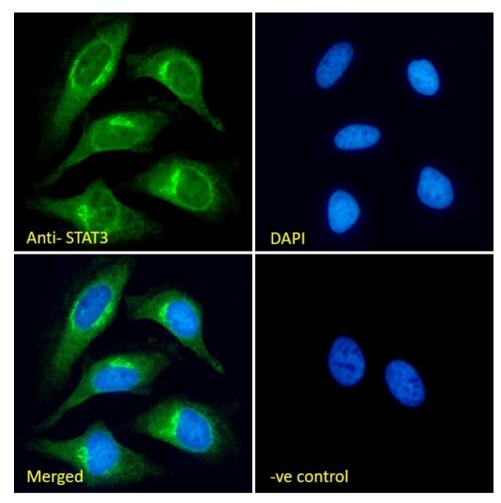
10ug/ml.

ded concentration: 10µg/ml.

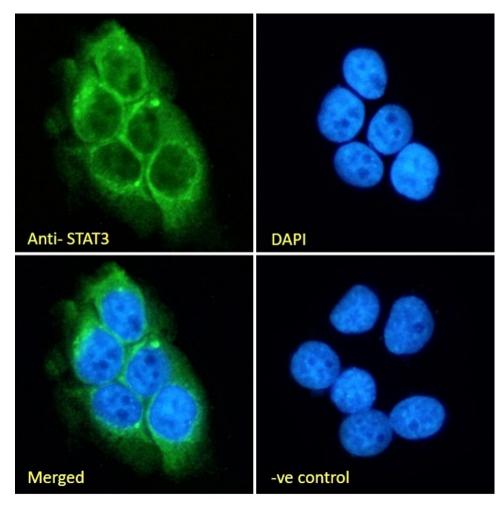
Species Reactivity

Tested: Human

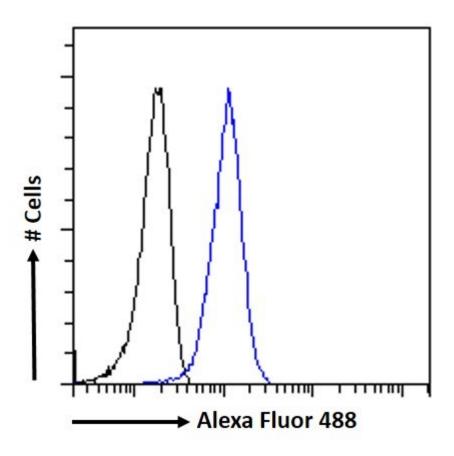
Expected from sequence similarity: Human, Mouse, Rat, Cow



EB05073 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and Golgi apparatus staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

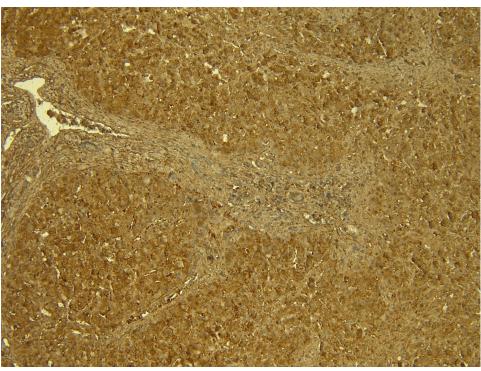


EB05073 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

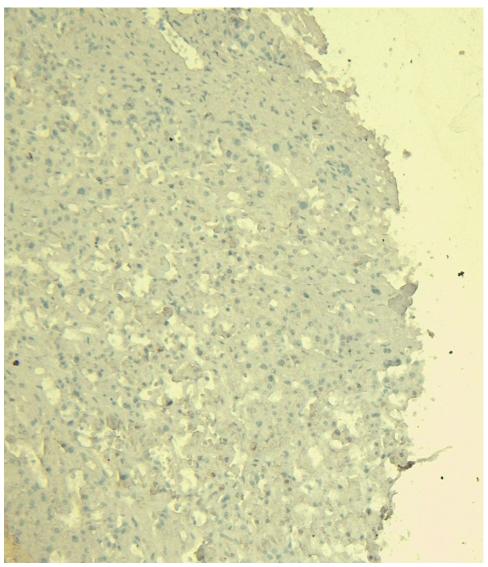


EB05073 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB05073 (7µg/ml) staining of paraffin embedded Human Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\tt EB05073\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Liver,\ with\ no\ primary\ antibody.}$