

Product Datasheet

STAT3 (isoform 1 and 2) Antibody (orb18540)

Catalog Number	orb18540
Category	Antibodies
Description	Goat polyclonal antibody to STAT3
Target	STAT3 (isoform 1 and 2)
Clonality	Polyclonal
Species/Host	Goat
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Bovine, Rat
Concentration	4-8 µg
Buffer/Preservatives	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Protein Sequence	DMELTSECATSPM
RRID	AB_10755560
MW	88.0; 88.1

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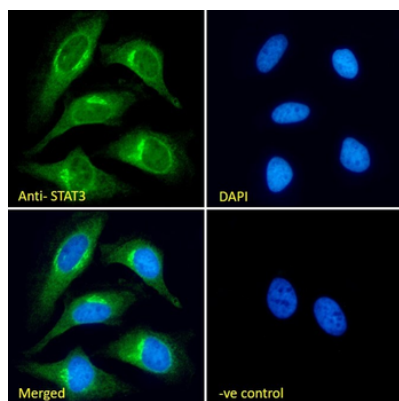
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Tested applications	ELISA, FC, IF, IHC
Dilution range	ELISA: 1:8000, WB: 2 µg/ml, IHC-P: 4-6 µg/ml
Application notes	ELISA: Peptide ELISA: antibody detection limit dilution 1:8000.IE: An anonymous customer found positive results in IF on Human HEK 293 cells. IF; An anonymous customer found positive results in IF on Rat glial processes and nuclei.IHC: In paraffin embedded Mouse Thymus shows preferential staining of the medulla over the cortex. Recommended concentration, 4-8µg/ml.WB: Approx. 90kDa band observed in lysates of NIH3T3 (calculated MW of 88.0kDa according to NP_644805.1 and of 88.1 according to NP_003141.2). Recommended concentration: 1-3 µg/ml.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	6774
Expiration Date	12 months from date of receipt.



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

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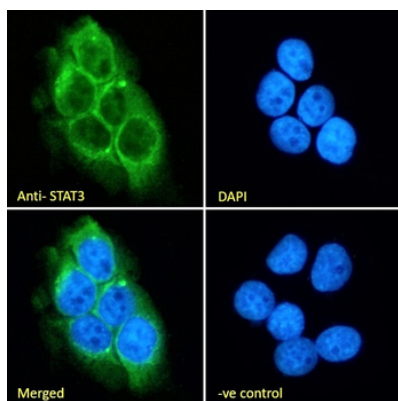
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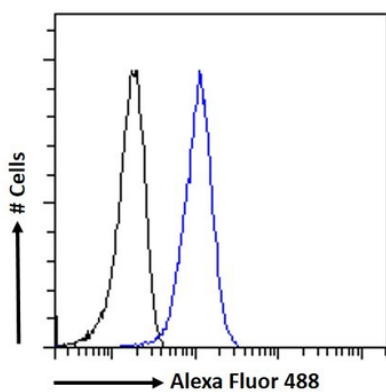
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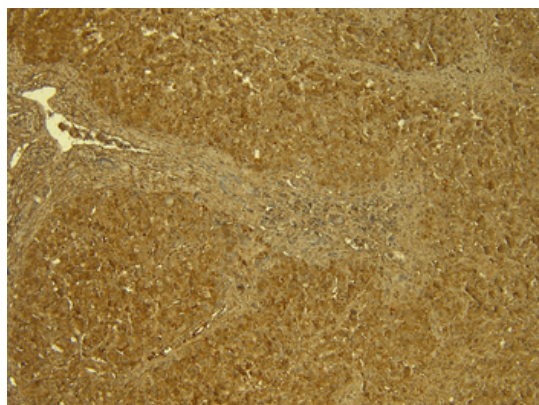
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Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing cytoplasmic and staining. The nuclear stain is DAPI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



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



7 µg/ml staining of paraffin embedded Human Liver. Heat induced antigen retrieval with citrate buffer pH6, HRP-staining.

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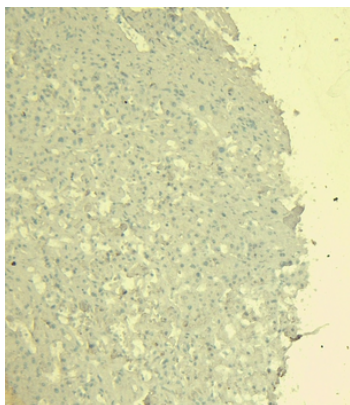
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Negative Control showing staining of paraffin embedded Human Liver, with no primary antibody.

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