

Product Datasheet

STAT3 Rabbit mAb [KD Validated] Antibody (orb1951799)

Catalog Number	orb1951799
Category	Antibodies
Description	Transcription factor that binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA. The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators.
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Form/Appearance	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human STAT3
UniProt ID	P40763
Tested applications	ICC, IHC, WB

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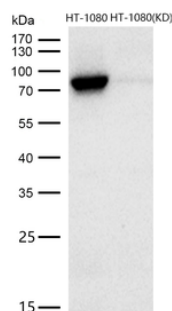
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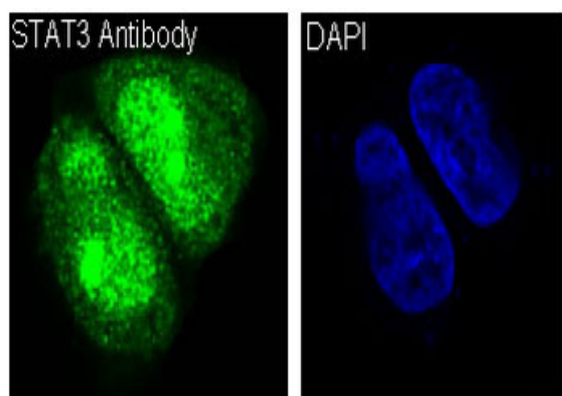
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Dilution range	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Specificity	STAT3 Antibody detects endogenous levels of total STAT3
Antibody Type	Recombinant Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Immunofluorescent analysis of HeLa cells treated with IFN α , using STAT3 Antibody.

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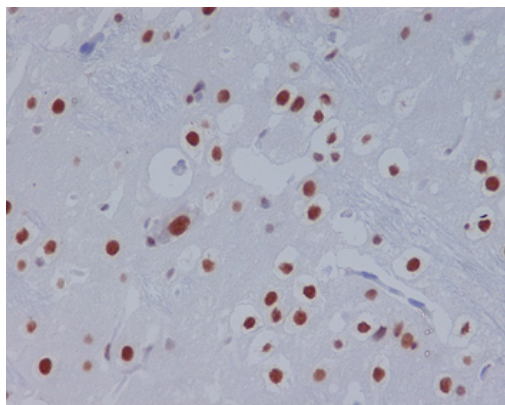
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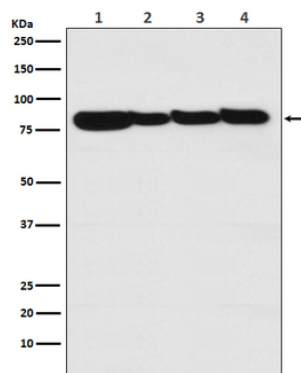
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Immunohistochemical analysis of paraffin-embedded rat brain, using STAT3 Antibody.



Western blot analysis of STAT3 expression in (1) A431 cell lysate; (2) Human liver lysate; (3) Mouse heart lysate; (4) Rat brain lysate.

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