

# Product Data Sheet

## Stat3 Antibody

(This product has been discontinued.)

Tested Species Reactivity
Human (Hu)
Mouse (Ms)
Rat (Rt)
Non-human primate (Nhp)
Bovine (Bv)

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunohistochemistry (Paraffin) (IHC (P))	1:200
Immunoprecipitation (IP)	1:100
ChIP assay (ChIP)	1:25

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
<b>Catalog Number:</b>	PA5-16187
<b>Size:</b>	100 µL
<b>Class:</b>	Polyclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	Synthetic peptide (KLH-coupled) corresponding to the sequence of mouse Stat3.

Form Information
Form information is not available for this product

Product Specific Information	General Information
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PA5-16187 detects Stat3 in human, mouse, non-human primate and rat samples. Predicted to react with bovine based on sequence homology.

PA5-16187 has been successfully used in chromatin immunoprecipitation, immunohistochemistry (paraffin), immunoprecipitation and Western blot applications.

A molecular weight of approximately 79 and 86 kDa are expected.

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. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Three alternatively spliced transcript variants encoding distinct isoforms have been described.

This product is for In Vitro experimental use only. Not for resale without express authorization.

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