

产品概述

产品名 (Product Name)	Stat3 rabbit Polyclonal Antibody
货号 (Catalog No.)	ATA38084
宿主 (Host)	Rabbit
反应种属 (Species specificity)	Human,Mouse,Rat,Monkey
应用实验 (Tested applications)	WB,IHC-p,ELISA
克隆性 (Clonality)	Polyclonal
免疫原 (Immunogen)	The antiserum was produced against synthesized peptide derived from human STAT3. AA range:656-705

产品性能

状态 (Form)	Liquid
存放条件 (Storage)	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
纯化方式 (Purity)	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

应用

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

产品背景

signal transducer and activator of transcription 3(STAT3) Homo sapiens 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. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper