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Anti-STAT6 Picoband Antibody

Catalog # ABO12096

Product Information

Application	WB
Primary Accession	P42226
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Signal transducer and activator of transcription 6(STAT6) detection. Tested with WB in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6778
Other Names	Signal transducer and activator of transcription 6, IL-4 Stat, STAT6
Calculated MW	94135
Application Details	Western blot, 0.1-0.5 □g/ml, Rat, Human
Subcellular Localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.
Source	Eukaryota
Protein Name	Signal transducer and activator of transcription 6
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human STAT6(85-115aa ESIYQRDPLKLVATFRQILQGEKKAVMEQFR), different from the related mouse sequence by three amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the transcription factor STAT family.

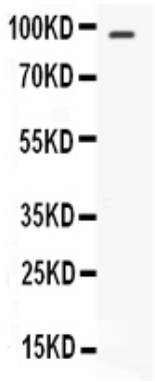
Protein Information

Name	STAT6
Function	Carries out a dual function: signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling.
Cellular Location	Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation

Background

STAT6 is a human gene. The protein encoded by this gene is a member of the STAT family of transcription factors. The gene spans 19 kb and contains 23 exons. 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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2), expression of cell surface markers, and class switch of immunoglobulins.

Images



Anti- STAT6 Picoband antibody, ABO12096, Western blottingAll lanes: Anti STAT6 (ABO12096) at 0.5ug/mlWB: Rat Brain Tissue Lysate at 50ugPredicted bind size: 94KDObserved bind size: 94KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.