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Rabbit Anti-phospho-TFII I (Tyr248) antibody

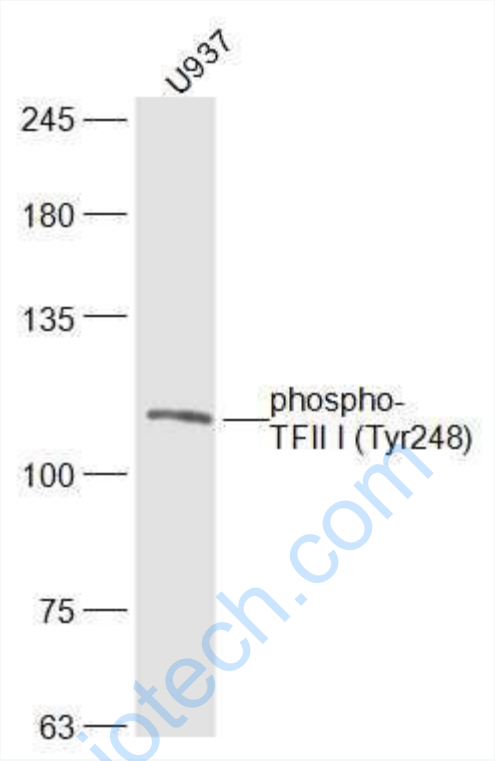
SL7139R

Product Name:	phospho-TFII I (Tyr248)
Chinese Name:	磷酸化蛋白酪氨酸激酶BAP135抗体
Alias:	BAP135 (phospho Y248); p-BAP135 (phospho Y248); TFII I (phospho Y248); p-TFII I (phospho Y248); BAP 135; BAP-135; BAP135; Bruton tyrosine kinase associated protein 135; Bruton tyrosine kinase-associated protein 135; BTK associated protein 135; BTK associated protein 135kD; BTK associated protein; BTK-associated protein 135; BTKAP 1; BTKAP1; DIWS; FLJ38776; FLJ56355; General transcription factor II i; General transcription factor II-I; General transcription factor IIi; GTF 2I; GTF2I; GTF2I_HUMAN; GTFII I; GTFII-I; IB 291; IB291; SPIN; SRF Phox 1 interacting protein; SRF Phox1 interacting protein; SRF-Phox1-interacting protein; TFII-I; Transcription factor II I; WBS; WBSCR 6; WBSCR6; Williams Beuren syndrome chromosome region 6; Williams Beuren syndrome chromosome region 6 protein; Williams-Beuren syndrome chromosomal region 6 protein
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	112kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human TFII I around the phosphorylation site of Tyr248:PD(p-Y)YQ
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a phosphoprotein containing six characteristic repeat motifs. The encoded protein binds to the initiator element (Inr) and E-box element in promoters and functions as a regulator of transcription. This locus, along with several other neighboring genes, is deleted in Williams-Beuren syndrome. There are many closely related genes and pseudogenes for this gene on chromosome 7. This gene also has pseudogenes on chromosomes 9, 13, and 21. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2013] **Function:** Interacts with the basal transcription machinery by coordinating the formation of a multiprotein complex at the C-FOS promoter, and linking specific signal responsive activator complexes. Promotes the formation of stable high-order complexes of SRF and PHOX1 and interacts cooperatively with PHOX1 to promote serum-inducible transcription of a reporter gene deriven by the C-FOS serum response element (SRE). Acts as a coregulator for USF1 by binding independently two promoter elements, a pyrimidine-rich initiator (Inr) and an upstream E-box. Required for the formation of functional ARID3A DNA-binding complexes and for activation of immunoglobulin heavy-chain transcription upon B-lymphocyte activation. **Subcellular Location:** Cytoplasm. Nucleus. Colocalizes with BTK in the cytoplasm. **Tissue Specificity:** Ubiquitous. Isoform 1 is strongly expressed in fetal brain, weakly in adult brain, muscle, and lymphoblasts and is almost undetectable in other adult tissues, while the other isoforms are equally expressed in all adult tissues. **Post-translational modifications:** Transiently phosphorylated on tyrosine residues by BTK in response to B-cell receptor stimulation. Phosphorylation on Tyr-248 and Tyr-398, and perhaps, on Tyr-503 contributes to BTK-mediated transcriptional activation. Sumoylated. **DISEASE:** Note=GTF2I is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. Haploinsufficiency of GTF2I may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in the disease. **Similarity:**

	Belongs to the TFII-I family. Contains 6 GTF2I-like repeats. **SWISS:** P78347 **Gene ID:** 2969 **Database links:** Entrez Gene: 2969 Human Entrez Gene: 14886 Mouse Entrez Gene: 353256 Rat Omim: 601679 Human SwissProt: P78347 Human SwissProt: Q9ESZ8 Mouse SwissProt: Q5U2Y1 Rat Unigene: 647041 Human Unigene: 261570 Mouse Unigene: 412191 Mouse Unigene: 27575 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

U937 (Human) Lysate at 30 ug

Primary: Anti-phospho-TFII I (Tyr248) (SL7139R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 112 kD

Observed band size: 112 kD