



AIP4 (phospho Tyr420) Polyclonal Antibody

Catalog No	BYab-03601
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	ITCH
Protein Name	E3 ubiquitin-protein ligase Itchy homolog
Immunogen	The antiserum was produced against synthesized peptide derived from human ITCH around the phosphorylation site of Tyr420. AA range:386-435
Specificity	Phospho-AIP4 (Y420) Polyclonal Antibody detects endogenous levels of AIP4 protein only when phosphorylated at Y420.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ITCH; E3 ubiquitin-protein ligase Itchy homolog; Itch; Atrophin-1-interacting protein 4; AIP4; NFE2-associated polypeptide 1; NAPP1
Observed Band	
Cell Pathway	Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm . Nucleus . Early endosome membrane ; Peripheral membrane protein ; Cytoplasmic side . Endosome membrane ; Peripheral membrane protein ; Cytoplasmic side . May be recruited to exosomes by NDFIP1 (PubMed:18819914). Localizes to plasma membrane upon CXCL12 stimulation where it co-localizes with CXCL4 (PubMed:14602072). Localization to early endosomes is increased upon CXCL12 stimulation where it co-localizes with DTX3L and CXCL4 (PubMed:24790097). .
Tissue Specificity	Widely expressed.
Function	function:E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Regulates the transcriptional activity of several transcription factors, and probably plays an important role in the

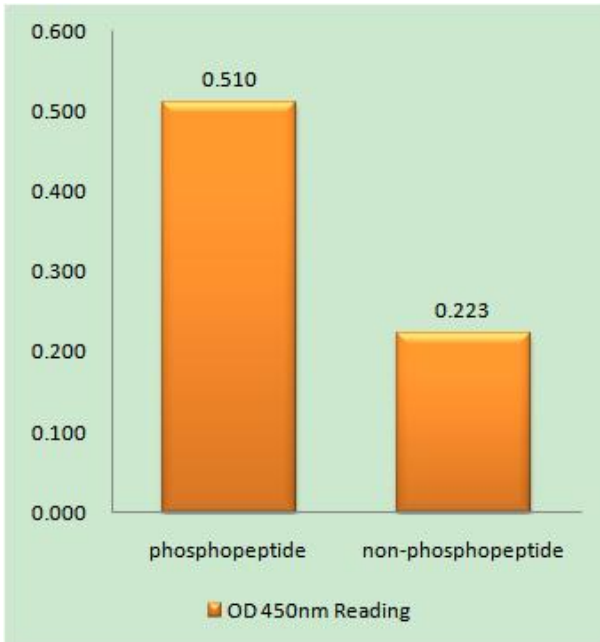
Nanjing BYabscience technology Co.,Ltd



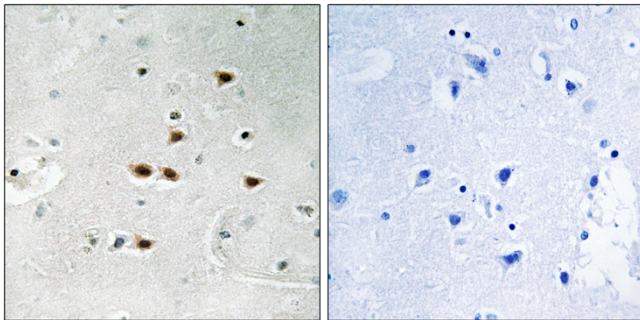
	regulation of immune response.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated on tyrosine residues.,similarity:Contains 1 C2 domain.,similarity:Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain.,similarity:Contains 4 WW domains.,subunit:Interacts via its WW domains with DRPLA, NFE2 and CBLC. Interacts with Epstein-Barr virus LMP2A. Interacts with NOTCH1, OCLN, JUN and JUNB. Interacts with NDFIP1 in vitro (By similarity). Interacts with ARHGEF7.,tissue specificity:Widely expressed.,
Background	itchy E3 ubiquitin protein ligase(ITCH) Homo sapiens This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation and the regulation of immune responses. Mutations in this gene are a cause of syndromic multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using ITCH (Phospho-Tyr420) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using ITCH (Phospho-Tyr420) Antibody. The picture on the right is blocked with the phosphopeptide.

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com

官方热线: 025-5229-8998

监督电话: 15950492658