

## ITCH (Phospho-Tyr420) Antibody

Catalog No: #11774

Package Size: #11774-1 50ul #11774-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

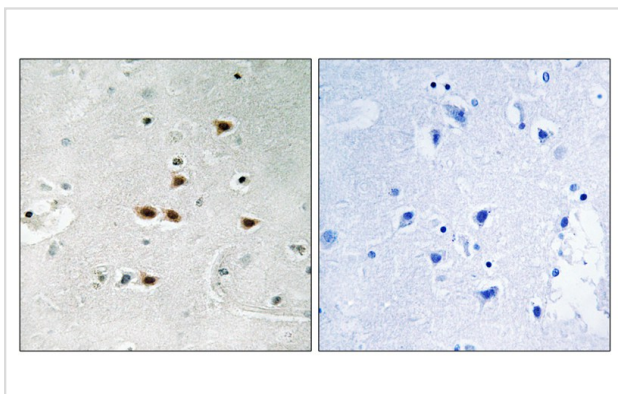
## Description

Product Name	ITCH (Phospho-Tyr420) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of ITCH only when phosphorylated at tyrosine 420.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 420(F-I-Y(p)-G-N) derived from Human ITCH .
Target Name	ITCH
Modification	Phospho-Tyr420
Other Names	AIF4; AIP4; NAPP1;
Accession No.	Swiss-Prot#: Q96J02; NCBI Gene#: 83737; NCBI Protein#: NP_001244066.1.
SDS-PAGE MW	102kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using ITCH (Phospho-Tyr420) antibody #11774 (left) or the same antibody preincubated with blocking peptide (right).

## Background

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Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral and pallidoluysian atrophy. The protein encoded by this gene interacts with atrophin-1. This encoded protein is a closely related member of the NEDD4-like protein family. This family of proteins are E3 ubiquitin-ligase molecules and regulate key trafficking decisions, including targeting of proteins to proteosomes or lysosomes. This encoded protein contains four tandem WW domains and a HECT (homologous to the E6-associated protein carboxyl terminus) domain.

Chen X., Genomics 73:238-241(2001).

Deloukas P., Nature 414:865-871(2001).

Wood J.D., Mol. Cell. Neurosci. 11:149-160(1998).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.