

## Product datasheet for **AP55793PU-N**

### ITCH pTyr420 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on paraffin sections:</b> 1:50~1:100.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 420(F-I-Y(p)-G-N) derived from Human ITCH (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of ITCH only when phosphorylated at tyrosine 420.
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 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	102 kDa
Gene Name:	itchy E3 ubiquitin protein ligase
Database Link:	<a href="#">Entrez Gene 83737 Human Q96J02</a>



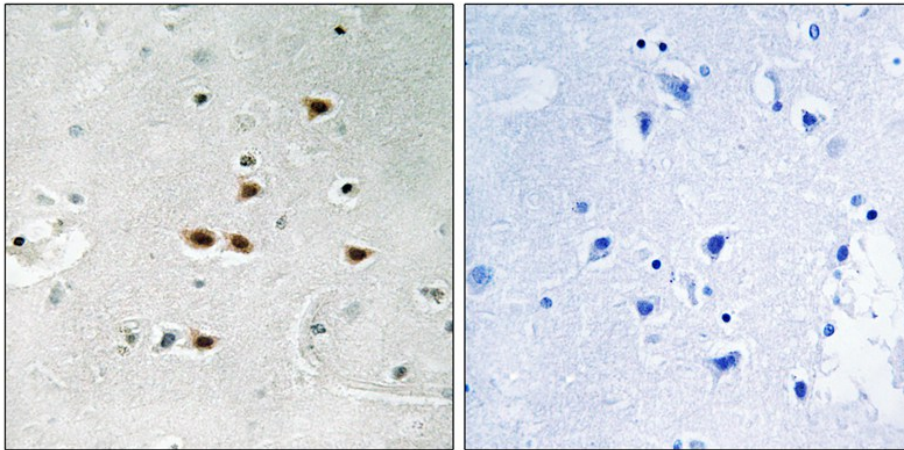
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**Background:**

Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral and pallidolusian 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.

**Synonyms:**

NAPP1

**Product images:**

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