

ITCH Antibody | anti-ITCH antibody

ITCH (Phospho-Tyr420) Antibody

CATALOG # AAA108908	REACTIVITY Human (Identities = 100%, Positives = 100%) Mouse (Identities = 100%, Positives = 100%)	APPLICATIONS ELISA, Immunohistochemistry
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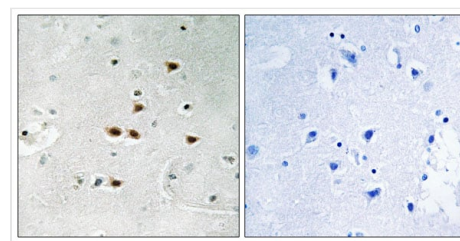
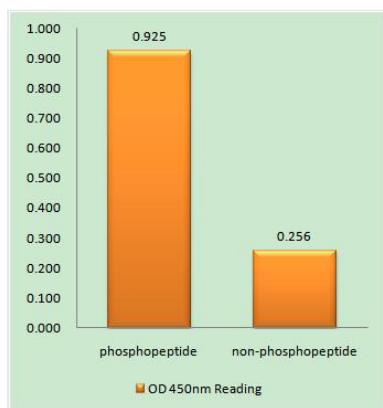
PRODUCT SYNONYMS

ITCH; ITCH (Phospho-Tyr420) Antibody; AIF4; AIP4; atrophin-1-interacting protein 4; EC 6.3.2.-; Itchy homolog E3 ubiquitin protein ligase; NAPP1; NFE2-associated polypeptide 1; ubiquitin protein ligase ITCH; anti-ITCH antibody

PRODUCT SPECIFICATIONS

Reactivity	Human (Identities = 100%, Positives = 100%) Mouse (Identities = 100%, Positives = 100%)
Specificity	ITCH (Phospho-Tyr420) antibody detects endogenous levels of ITCH only when phosphorylated at tyrosine 420.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/mL (varies by lot)
Sequence Length	903
Applicable Applications for anti-ITCH antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human ITCH around the phosphorylation site of tyrosine 420 (F-I-YP-G-N).
All Sites	Human: Tyr420 Mouse: Tyr381
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data

Immunohistochemistry analysis of paraffin-embedded human brain tissue using ITCH (Phospho-Tyr420) antibody.

IHC (Immunohistochemistry)

ITCH (Phospho-Tyr420) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ITCH antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Chen X., Genomics 73:238-241(2001). Deloukas P., Nature 414:865-871(2001). Wood J.D., Mol. Cell. Neurosci. 11:149-160(1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	380420335
NCBI GeneID	83737
NCBI Accession #	NP_001244066.1
NCBI GenBank Nucleotide #	NM_001257137.2
UniProt Accession #	Q96J02; O43584; Q5QP37; Q5TEL0; Q96F66; Q9BY75; Q9H451; Q9H4U5; A6NEW4; B4E234; E1P5P3; F5H217
NCBI Official Full Name	E3 ubiquitin-protein ligase Itchy homolog isoform 1
NCBI Official Synonym Full Names	itchy E3 ubiquitin protein ligase
NCBI Official Symbol	ITCH
NCBI Official Synonym Symbols	AIF4; AIP4; ADMFD; NAPP1
NCBI Protein Information	E3 ubiquitin-protein ligase Itchy homolog
UniProt Protein Name	E3 ubiquitin-protein ligase Itchy homolog
UniProt Gene Name	ITCH
UniProt Synonym Gene Names	Itch; AIP4; NAPP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/itch/108908>