

Rabbit ITCH Polyclonal Antibody | anti-ITCH antibody

[KO Validated] ITCH Rabbit pAb

CATALOG # AAA28315	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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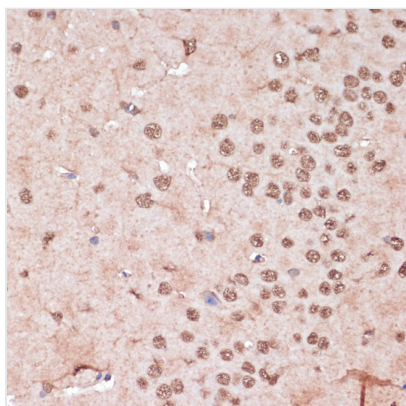
PRODUCT SYNONYMS

ITCH; Polyclonal Antibody; [KO Validated] ITCH Rabbit pAb; ADMFD; AIF4; AIP4; NAPP1; anti-ITCH antibody

PRODUCT SPECIFICATIONS

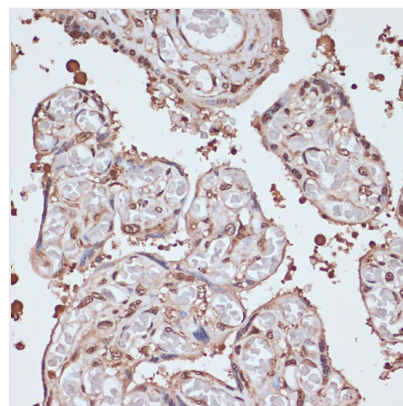
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	QSKKTEKCNN TNSPKWKQPL TVIVTPVSKL HFRVWSHQTL KSDVLLGTAA LDIYETLKSN NMKLEEVVVT LQLGGDKIPT ETIGDLSICL DGLQLESEV T
Applicable Applications for anti-ITCH antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 Customer Validation: WB: Human
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human ITCH (NP_001244066.1).
Positive Samples	293T, THP-1, NIH/3T3, C6, Mouse lung, Mouse kidney, Rat lung, Rat spleen
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



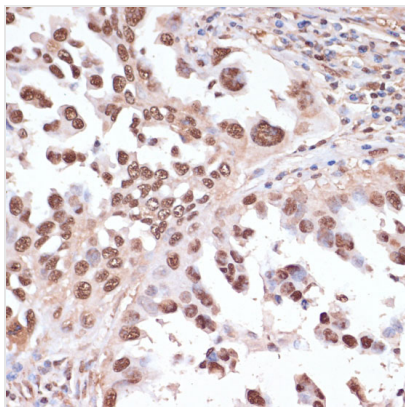
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using ITCH antibody at dilution of 1:100 (40x lens).



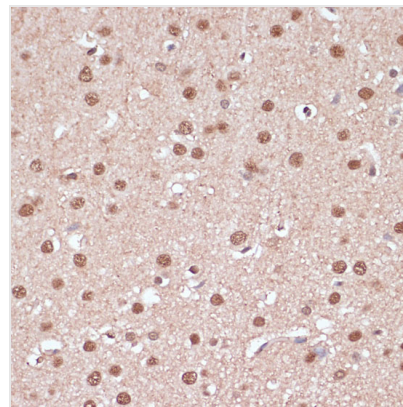
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using ITCH antibody at dilution of 1:100 (40x lens).



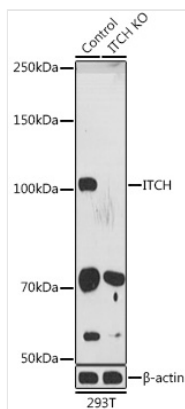
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using ITCH antibody at dilution of 1:100 (40x lens).



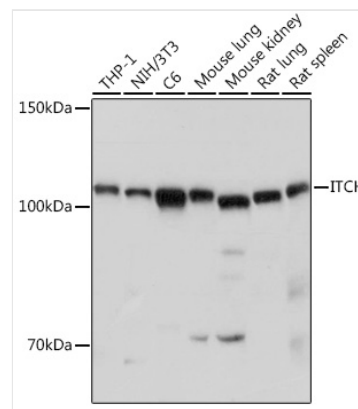
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using ITCH antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts from normal (control) and ITCH knockout (KO) 293T cells, using ITCH antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ITCH antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-ITCH antibody	Background: 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.
Product Categories/Family for anti-ITCH antibody	Cell Biology & Developmental Biology; Ubiquitin; Ubiquitin-Proteasome Signaling Pathway; Research; Cell Biology & Developmental Biology; Notch Signaling Pathway; Research; Immunology & Inflammation; NF-kB Signaling Pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	380420335
NCBI GeneID	83737
NCBI Accession #	NP_001244066.1
NCBI GenBank Nucleotide #	NM_001257137.1
UniProt Accession #	Q96J02; O43584; Q5QP37; Q5TEL0; Q96F66; Q9BY75; Q9H451; Q9H4U5; A6NEW4; B4E234; E1P5P3; F5H217
Molecular Weight	102,803 Da

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; NAPP1; dJ468O1.1
NCBI Protein Information	E3 ubiquitin-protein ligase Itchy homolog; NFE2-associated polypeptide 1; atrophin-1 interacting protein 4; itchy E3 ubiquitin protein ligase homolog; dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4))
UniProt Protein Name	E3 ubiquitin-protein ligase Itchy homolog
UniProt Gene Name	ITCH
UniProt Synonym Gene Names	Itch; AIP4; NAPP1
UniProt Entry Name	ITCH_HUMAN

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/polyclonal/itch-antibody-western-blot-immunohistochemistry-elisa/28315>